Version 1

Year 6 Countdown to SATs

Work Pack

Maths

Corbett Maths

Website Address

https://corbettmathsprimary.com/content/

The topics within this booklet are in order of importance. Please work through the topics in order.

The videos are there to teach you the topic. You can watch these over and over again. When you feel confident, move onto the questions.

Use the answers to check how you got on and decide whether you need to watch the video again.

Contents

Place Value

Learn	**https://corbettmathsprimary.com/2018/07/31/place-value-video/**

1. Write down the value of the **6** in the number 461

2. Write down the value of the **3** in the number 2,398

3. Write down the value of the **7** in the number 7,054

4. Write down the value of the **2** in the number 129,843

5. There are 14,923 fans at a football match

Write down the value of the **2** in the number 14,923

6. Here are four number cards

4	9	1	6

Using each number card once, make the **largest** possible number

7. Here are four number cards

5	7	8	1

Using each number card once, make the **smallest odd** number

Using each number card once, make the number closest to 2,000

8. Write down the value of the 7 in the answer to 172 x 100

9.

Using each digit once, list all the different three digit numbers

10. Here are four number cards

Jessica uses each card once to make an **even** four-digit number.

She places:

9 in the tens column

5 so that it has a higher value than any of the other digits

Write a digit in each box to show Jessica's number

Check (Answers)	https://corbettmathsprimary.com/wp-content/uploads/2018/07/place-value-answers.pdf

Prime Numbers

Learn	https://corbettmathsprimary.com/2018/07/17/prime-numbers-video/

1. Here is a list of numbers

3 4 5 6 7 8 9 10

Circle all the prime numbers

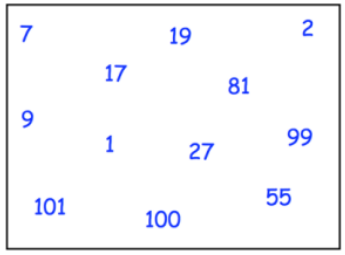
2. Write down all the prime numbers between 10 and 20

.....

3. Circle all the prime numbers

5 7 15 17 25 27

4. From the box choose

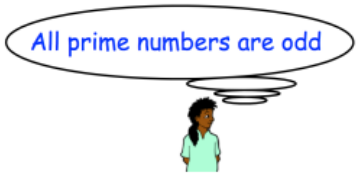


The **smallest** prime number

The **largest** prime number

Three numbers that are **not prime**

5.



Explain why Evie is wrong

.....

6. Two different **prime numbers** have a total of 15.

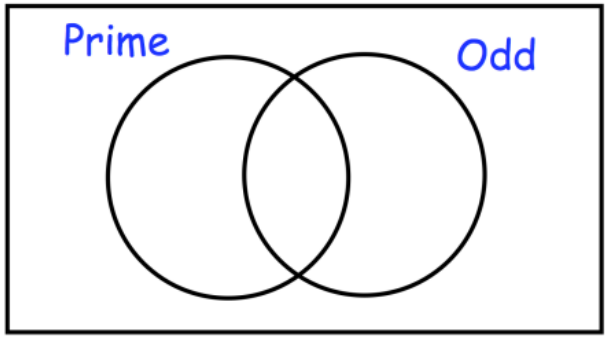
$$\square + \square = 15$$

prime number prime number

What are the two numbers?

7. Write each number in its correct place on the diagram

1 2 4 5 9 11



8.

$$\square + \square + \square = 40$$

prime number prime number prime number

Find three different prime numbers with a sum of 40

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/prime-numbers-answers/

Think of a Number

Learn	https://corbettmathsprimary.com/2018/07/24/think-of-a-number-video/

1. Erin thinks of a number

   She multiplies it by 3.
   Then she adds 4.

   Her answer is 22

   What was the number Erin started with?

2. Danny thinks of a number

   He subtracts 8 and then multiplies by 6.

   His answer is 30

   What was the number Danny first thought of?

3. Eva thinks of a number

   She divides the number by 4.
   Then she adds 7.

   Her answer is 13.

   What was the number Eva first thought of?

4. John thinks of a number

   He add 19.
   Then he doubles the answer.

   His final answer is 100.

   What was the number John first thought of?

5. Sam thinks of a number.

He halved his number and then added 75.

The answer is 101.

What was the number Sam first thought of?

6. Harry thinks of a number.

He multiplies his number by 3.
Harry then adds 8.
He then multiplies his result by 4.

His final answer is 80

What was the number Harry first thought of?

7. Isabelle thinks of a **whole** number

She multiplies it by 3

She rounds her answer to the nearest 10.

The result is 40.

Write all the possible numbers that Isabelle could have started with

.....

8. Jonathan thinks of a number.

He adds 9
He multiplies his result by 12
Then he takes away 16.
His final answer is 80.

What number did Jonathan start with?

9. Shannon thinks of a number

She **multiplies the number by 6** and then **subtracts 70** from the result

Her answer equals the number she started with.

What was the number Shannon started with?

10. Pip thinks of a number

He **multiplies the number by 4** and then **subtracts 72** from the result

His answer equals the number he started with.

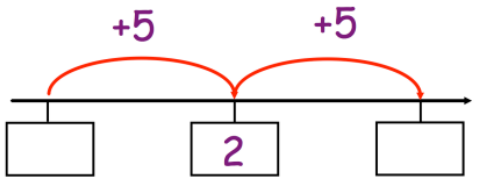
What was the number Pip started with?

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/think-of-a-number-answers/

Negative Numbers

Learn https://corbettmathsprimary.com/2018/07/31/negative-numbers-video/

1. Here is part of a number line



Write the missing numbers in the boxes

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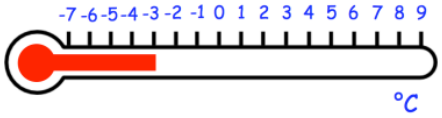
2. The thermometer below shows the temperature at 6am in a town



What temperature is shown?

°C

The temperature increases by 7°C by 10am

What is the temperature at 10am?

°C

3. These are the temperatures in towns cities on the same day.

Towns	Temperature
Leek	-8°C
Milton	12°C
Donhampton	-11°C
Redtown	7°C
Sandville	-16°C

Which town has the highest temperature?

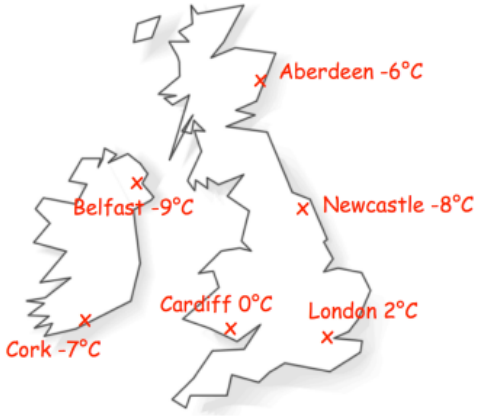
Which town has the lowest temperature?

The temperature in Watford is 9°C colder than Redtown

What is the temperature in Watford?

°C

4. The map shows the temperature in six cities



Which city is the warmest?

Which city is the coldest?

What is the difference in temperature between London and Aberdeen?

°C

5. The table shows information about the minimum and maximum temperature for a day in January.

City	Minimum °C	Maximum °C
Glasgow	-6°C	9°C
Bristol	4°C	14°C
Norwich	-7°C	7°C
Hull	-1°C	10°C
Derby	5°C	11°C
Lisburn		-2°C

The minimum temperature in Lisburn is 1°C colder than its maximum temperature.

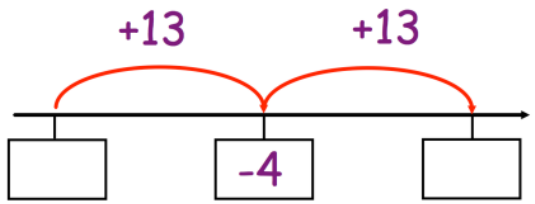
What was Lisburn's minimum temperature?

°C

Which city had the greatest maximum temperature?

Which city had the lowest minimum temperature?

6. Here is part of a number line



Write the missing numbers in the boxes

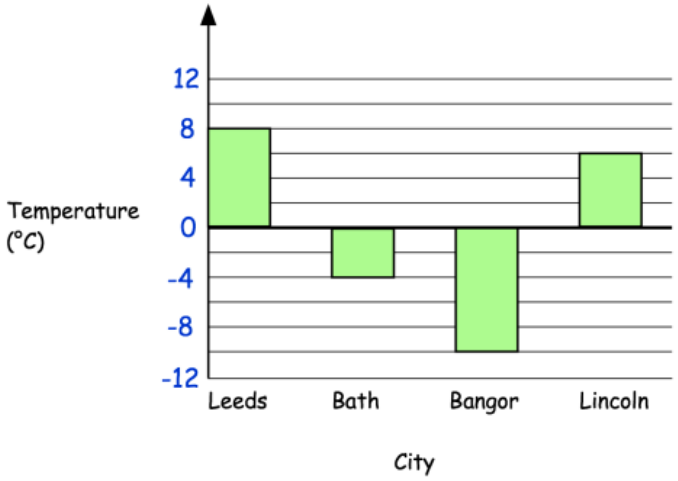
7. Shown below is a list of cities and their elevations.

Location	Elevation
Georgetown	-2 metres
Amsterdam	-1 metre
Paris	34 metres
New Orleans	-2 metres
Salton City	-38 metres
Dublin	8 metres

Which city has the lowest elevation?

Work out the difference in Georgetown's and Dublin's elevation?

8. This graph shows the temperature in four cities on one day in March.



What was the temperature in Leeds?

°C

How much warmer is the temperature in Bath than Bangor?

°C

Check (Answers)	https://corbettmathsprimary.com/2018/07/31/negative-numbers-answers/

Ordering Numbers

Learn	**https://corbettmathsprimary.com/2018/07/18/ordering-numbers-video/**

1. Write these numbers in order, starting with the **smallest**

172 217 273 198

smallest largest

2. Write these numbers in order, starting with the **smallest**

502 1052 520 205 250

smallest largest

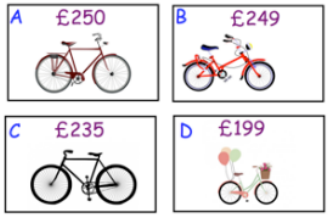
3. Here are the heights of five hills.

Altmore	538m
Heathmount	551m
Slemish	499m
Donard	542m
Cley Hill	517m

List the hills in order of size, starting with the smallest.

.....

4.



Put these bicycles in order of price, starting with the **highest price**

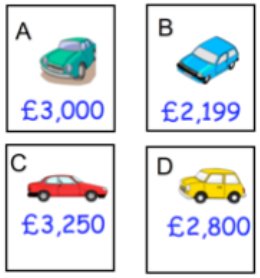
highest lowest

5. Write these prices in order, starting with the smallest

£6.30 £3.60 63p £0.36 £3.06

smallest largest

6.



Put these cars in order of price, starting with the **lowest price**

lowest highest

7.

£0.85 £10 £6.20 91p £1.77

Write these amounts in order, starting with the smallest

smallest largest

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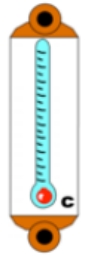
8. Arrange these temperatures in order, from lowest to highest

0°C −20°C 6°C 17°C −13°C



lowest highest

9. Here are the temperatures in a town over 4 days.

Monday	Tuesday	Wednesday	Thursday
−3°C	−1°C	−6°C	0°C

On what day was the lowest temperature recorded?

Arrange the temperatures in order, starting with the highest

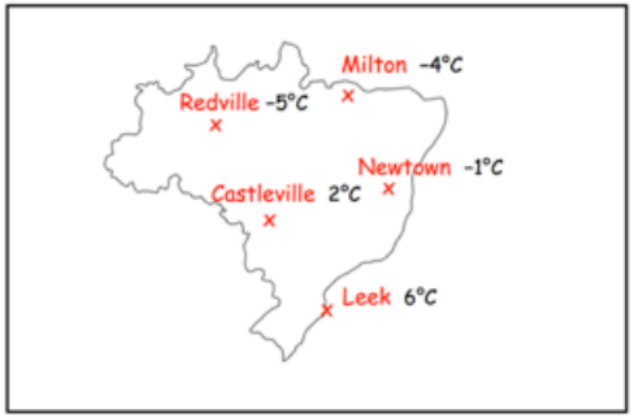
highest lowest

10. Write these numbers in order, starting with the **smallest**

15,123 15,200 15,032 15,103 15,013

smallest largest

11. Here are the temperatures in five towns



Arrange the towns in order of temperature, starting with the lowest

.....

Which town has a temperature closest to 0°C ?

Check (Answers)	https://corbettmathsprimary.com/2018/07/18/ordering-numbers-answers/

Rounding

Learn	https://corbettmathsprimary.com/2018/07/31/rounding-video/

1. Complete this table by rounding the numbers to the **nearest ten**

	Rounded to the nearest ten
36	
82	
155	
203	

2. Round 672

to the nearest 10 ☐

to the nearest 100 ☐

3. Round 347

to the nearest 10 ☐

to the nearest 100 ☐

4. Round 8,716

to the nearest 1,000 ☐

to the nearest 100 ☐

to the nearest 10 ☐

5. Write in the missing numbers

Number	Rounded to the nearest whole number
2.8	
5.3	
12.6	
20.5	

6. Complete this table by rounding the numbers to the **nearest hundred**

	Rounded to the nearest hundred
10,805	
1,080.5	
108.05	

7. Round the following numbers

740 to the nearest 100 ☐

1,247 to the nearest 10 ☐

$2\frac{3}{4}$ to the nearest whole number ☐

8. At a football match between City and Rovers, there were 4,486 fans

In the match report, 4,486 was rounded to the nearest thousand

Round 4,486 to the nearest thousand

☐

At the match 2,156 hot drinks were sold.

The caterers round this number to the nearest hundred

Round 2,156 to the nearest hundred

☐

During the match, Rovers had 45.29% possession of the ball.

Round 45.29 to the nearest whole number

☐

9. The **difference** between two numbers is 4.

When each number is rounded to the nearest hundred, the difference between them is 100.

Write down what the two numbers could be

and

10. Justin chooses two of these cards.

13 21 29 38

He adds the numbers on the two cards together
He then rounds the result to the nearest 10

His answer is 40.

Circle the two numbers that Justin chose

11. Frank thinks of a **whole** number.

He multiples it by 6.
He rounds his answer to the nearest 10

The answer is 70

Write **all** the possible numbers that Frank could have started with

.....

12. Round 153,499

to the nearest 100,000

to the nearest 10,000

to the nearest 1,000

Check (Answers)	https://corbettmathsprimary.com/2018/07/31/rounding-answers/

Sequences

Learn	https://corbettmathsprimary.com/2018/07/31/sequences-video/

1. The numbers in this sequence increase by the same amount each time

Write the two missing numbers

2. The numbers in this sequence increase by the same amount each time

Write the missing numbers

3. The numbers in this sequence decrease by the same amount each time

Write the next two numbers

4. The numbers in this sequence increase by 13 each time

Write in the two missing numbers

5. The numbers in this sequence **decrease** by the same amount each time

407,321 405,321 403,321 401,321 …

What is the next number in the sequence?

6. Here is part of a number sequence.

The numbers increase by the same amount each time.

… 350 400 450 500 …

Circle **all** of the numbers below that would appear in the sequence.

740 900 905 950 1000

7. The numbers in this sequence increase by 10 each time.

6 16 26 ...

The sequence continues in the same way.

Write **two** numbers from the sequence that add to make **102**

[ ] and [ ]

8. The numbers in this sequence increase by 25 each time.

10 35 60 85 …

The sequence continues in the same way.

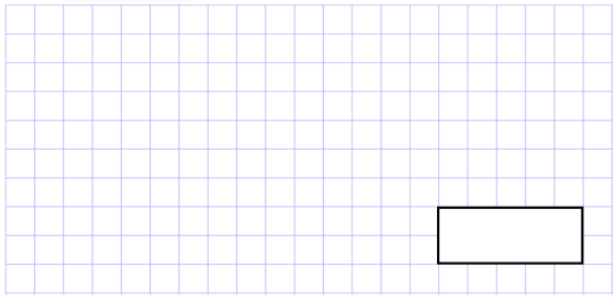
Which number in the sequence will be **closest to 350**?

Check (Answers)	https://corbettmathsprimary.com/2018/07/31/sequences-answers/

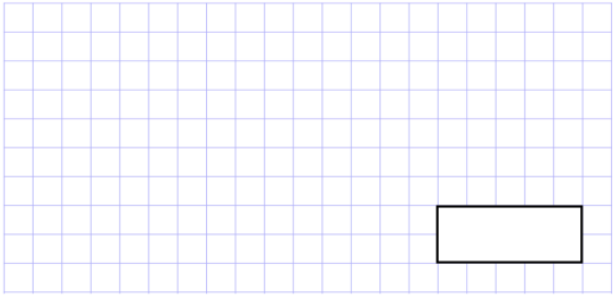
Addition

Learn	https://corbettmathsprimary.com/2018/05/30/addition-video/

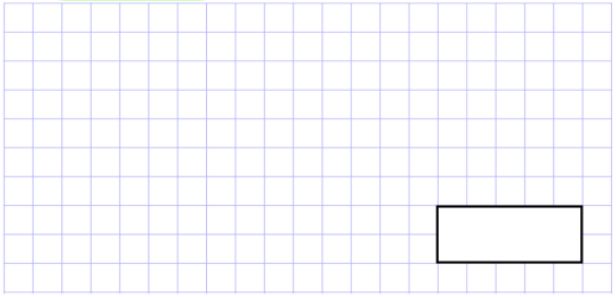
1. 53 + 24



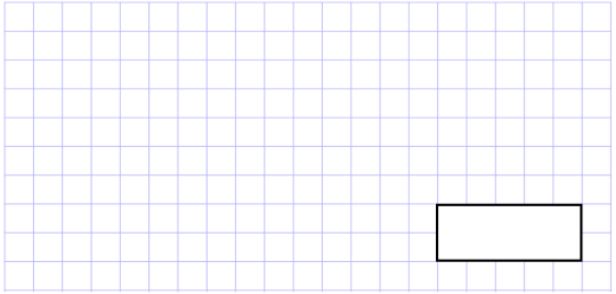
2. 39 + 17



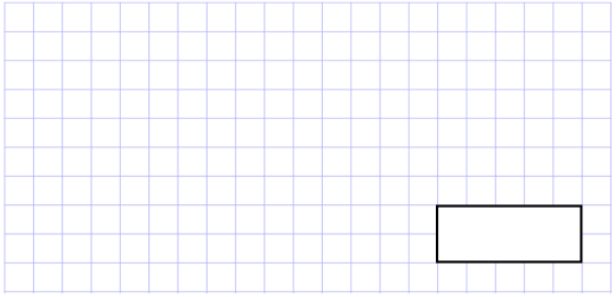
3. 65 + 58



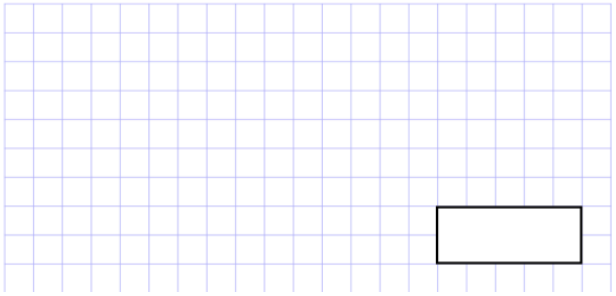
4. 430 + 180



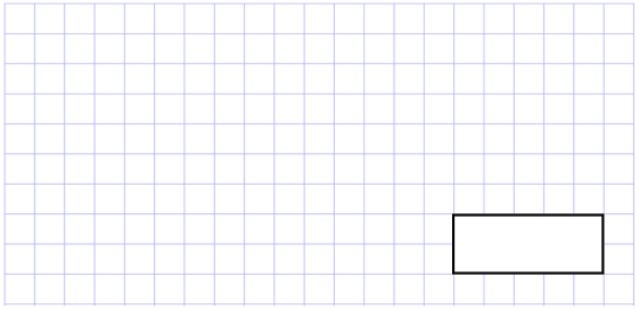
5. 453 + 219



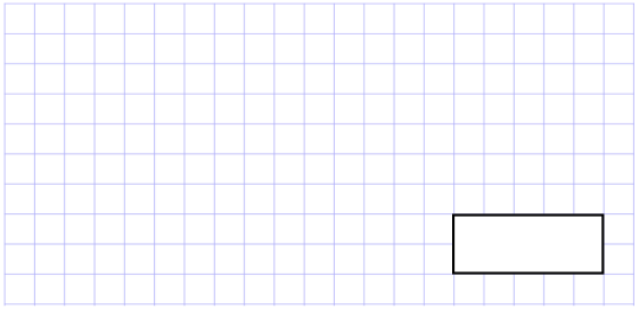
6. 27 + 81 + 44



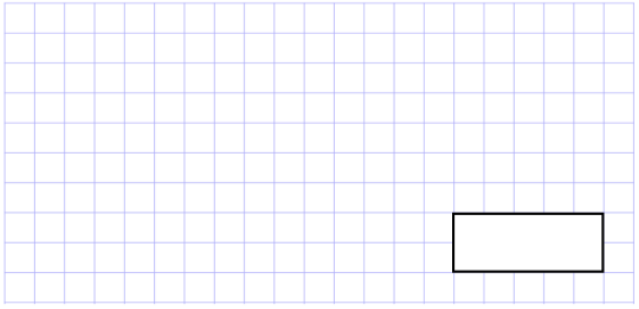
7. 927 + 304



8. 606 + 1,525



9. ☐ = 2,600 + 700



10. Stanley is posting Christmas cards.

On Monday he posted 34 Christmas cards.
On Tuesday he posted 28 Christmas cards.

How many Christmas cards has he posted altogether?

---

11. Write the two missing digits to make this **addition** correct

$$\begin{array}{r} \square\,3 \\ +\,1\,\square \\ \hline 9\,8 \end{array}$$

---

12. Harry is 19 years old.
His grandad is 56 years older than Harry.

How old is Harry's grandad?

---

13. Write the missing number

170 → (is 40 more than) → 130

□ → (is 40 more than) → 216

---

14. Jamie has £51
Spencer has £16 less than Jamie

How much money do they have in total?

£

---

15. Megan and her friends visit a café

Here is the menu.

Menu	
Tea	£1.55
Coffee	£2.80
Water	75p
Lemonade	95p
Hot Chocolate	£1.90
Milkshake	£2.65

Megan buys a tea, a hot chocolate and a water.

How much does Megan have to pay?

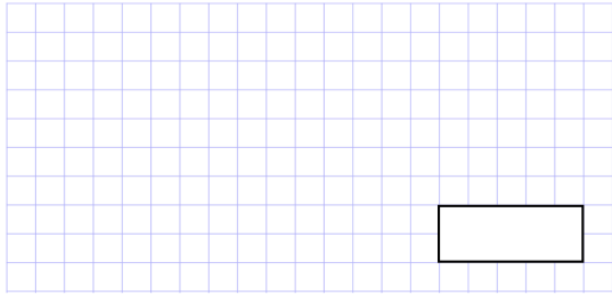
£

Check (Answers)	http://corbettmathsprimary.com/2018/07/15/addition-answers/

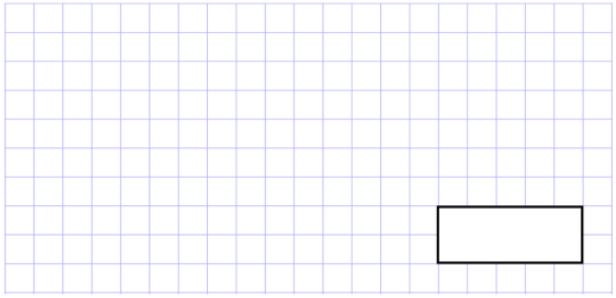
Subtraction

Learn	https://corbettmathsprimary.com/2018/05/30/subtraction-video/

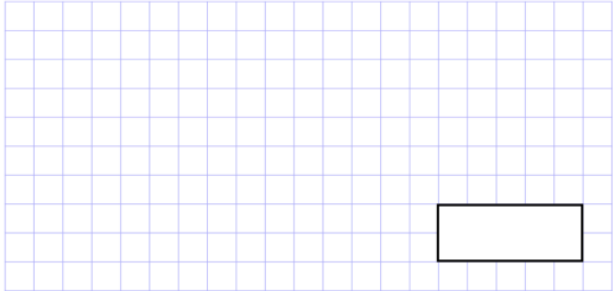
1. 78 - 51



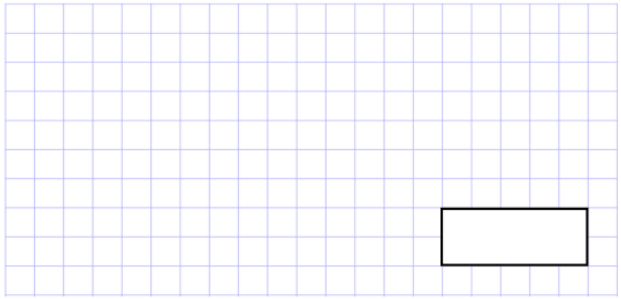
2. 72 - 16



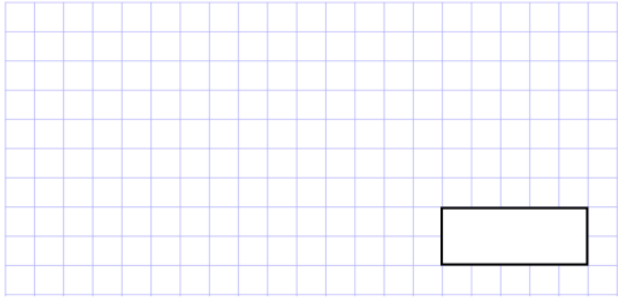
3. 90 - 23



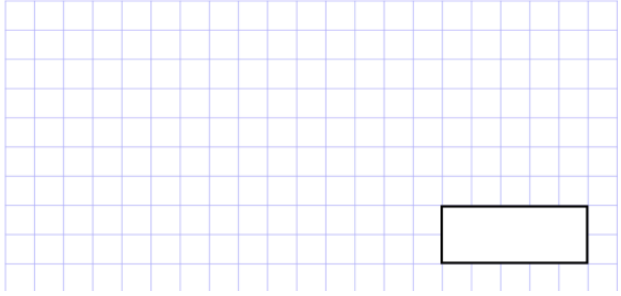
4. 580 - 149



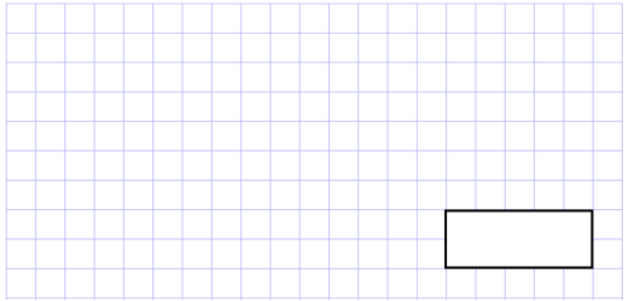
5. 245 - 82



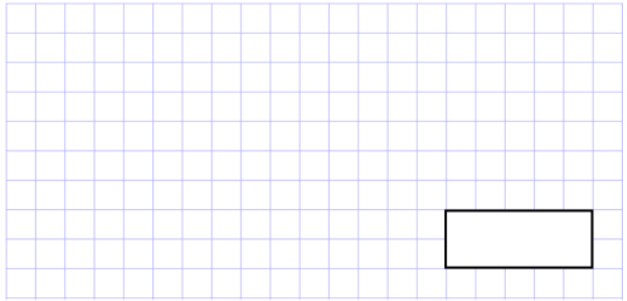
6. 838 - 159



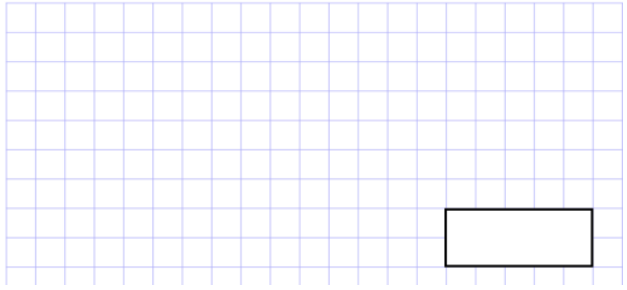
7. 900 - 663



8. 2,512 - 740



9. ☐ = 5,200 - 1,800



10. Chris buys an apple for 41p and a banana for 27p.

How much more does the apple cost than the banana?

p

11. Emma is 14 years old.
Her grandmother is 70 years old.

How many years younger is Emma than her grandmother?

12. Write the two missing digits to make this **subtraction** correct

$$\begin{array}{r} 9\,\square \\ -\,\square\,2 \\ \hline 5\,4 \end{array}$$

13. Write the missing number

155 → (is 40 more than) 115

212 → (is 40 more than) ☐

14. Grayson has 58 marbles.
Mason has 312 marbles.

How many more marbles does Mason have than Grayson?

15. Write the number six less than **nine hundred and three**

16. Work out the **difference** between 4,500 and 750

17. Aiden has £95
Riley has £26 less than Aiden.
Alice has £17 less than Riley.

How much money do they have in total?

£

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/subtraction-answers/

Factors

Learn	**https://corbettmathsprimary.com/2018/07/20/factors-video/**

1. List the factors of 10

.....

2. List the factors of 18

.....

3. List the factors of 25

.....

4. List the factors of 40

.....

5. Here is a list of numbers.

3 4 5 6 7 9 13

From the list, write down a factor of 14

From the list, write down a factor of 26

6. Here is a list of numbers.

4 5 6 7 8 10 12 13 14

Circle any number in the list that is a **factor** of 24

7. Write three factors of 40 which are **also** factors of 30

8. Write all the factors of 36 which are **also** factors of 27

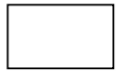
.....

9. Write four factors of 48 that are **not** factors of 30

10. Jemima has 32 sweets and is able to share them equally between her friends.

Jemima has more than 5 friends but less than 20 friends.

Write down how many friends Jemima might have.



Check (Answers)	https://corbettmathsprimary.com/2018/07/20/factors-answers/

Multiples

Learn	https://corbettmathsprimary.com/2018/07/17/multiples-video/

1. Write down the first **five** multiples of 3

2. Write down the first **five** multiples of 8

3. Write down the first **five** multiples of 13

4. Write down two multiples of 4

Write down two multiples of 9

Write down a number that is a multiple of **both** 4 and 9

5. Here is a diagram for sorting number.

Write **one number** in each box

One is done for you.

	multiple of 7	**not** a multiple of 7
multiple of 2	14	
not a multiple of 2		

6. Here is a list of numbers.

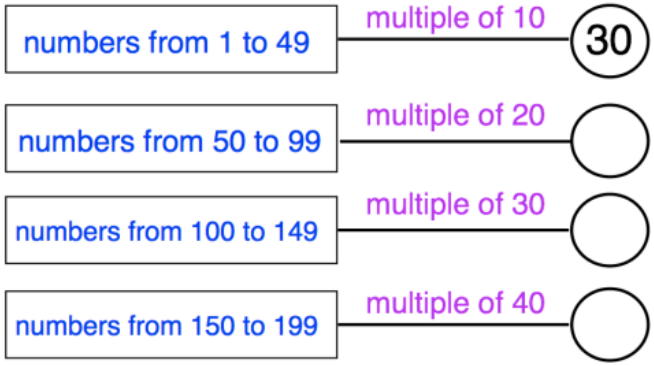
15 16 17 18 19 20 21 22

From the list, write down a multiple of 6

From the list, write down a multiple of 7

7. In the circles, write a multiple that belongs to each set

One has been done for you.



8. Write **one** number which fits **all three** of these statements

It is odd

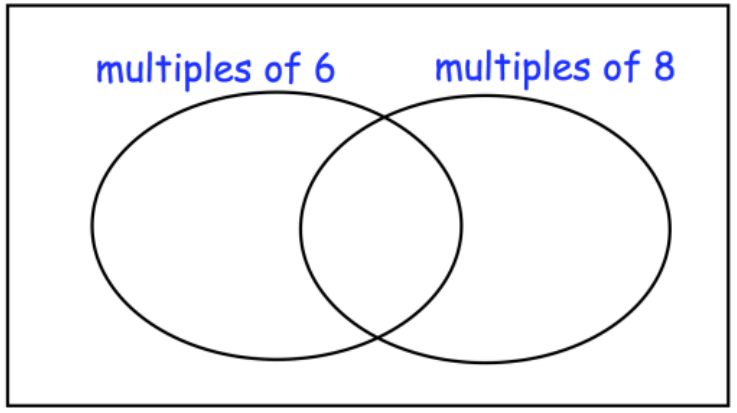
It is a multiple of 9

It is between 30 and 50

9. Here is a diagram for sorting numbers.

Write **each** number in its correct place on the diagram.

40 48 56 60

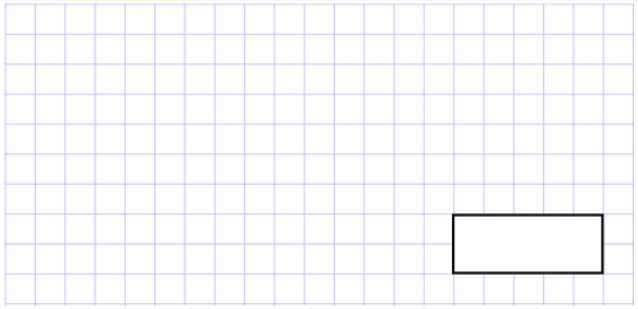


Check (Answers)	https://corbettmathsprimary.com/2018/07/17/multiples-answers/

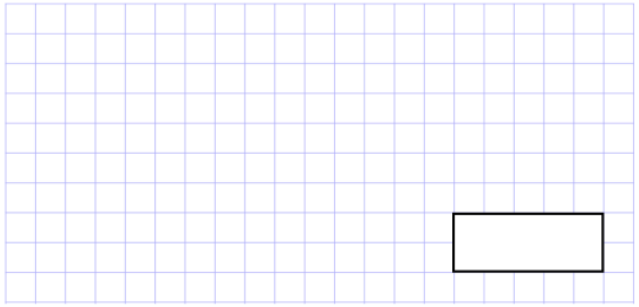
Multiplication

Learn	**https://corbettmathsprimary.com/2018/07/21/multiplication-video/**

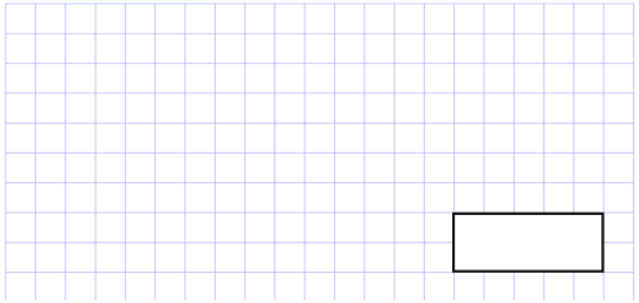
1. 32 x 3



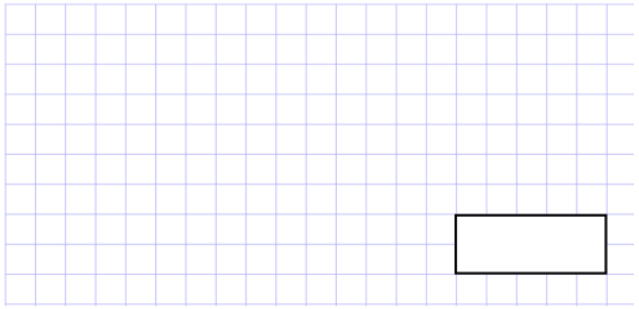
2. 15 x 5



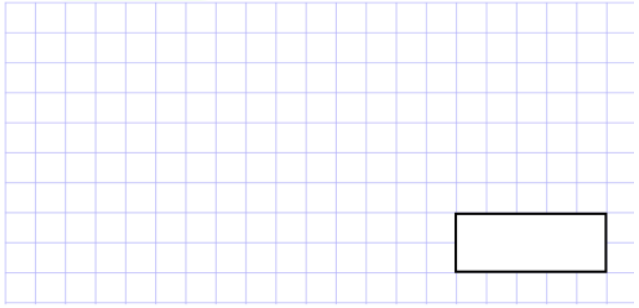
3. 24 x 6



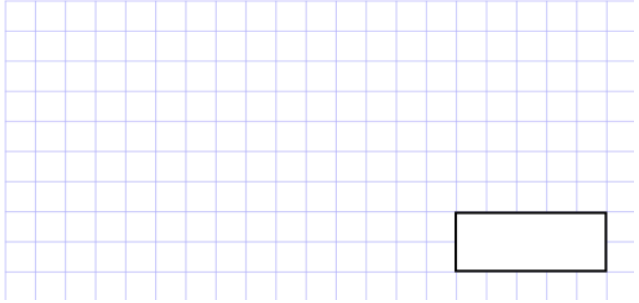
4. 74 x 6



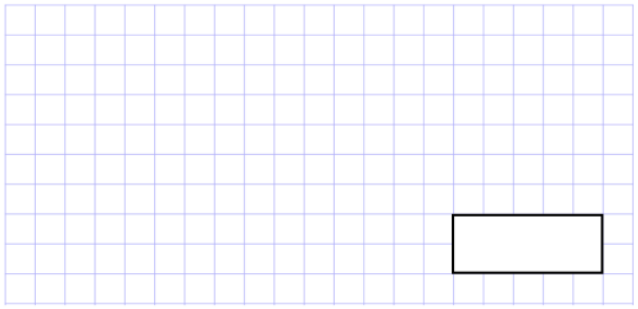
5. 8 x 92



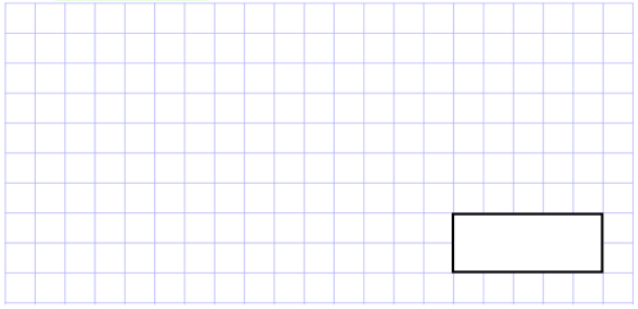
6. 134 x 4



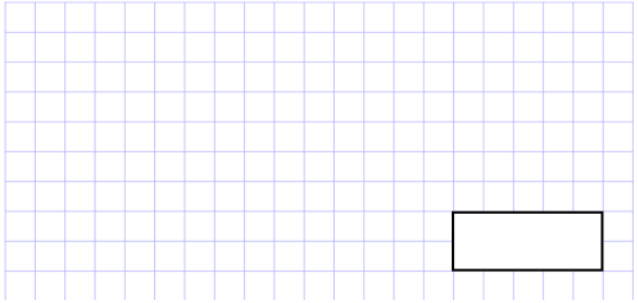
7. 263 x 6



8. 394 x 7



9. ☐ = 2,074 x 6



10. How many days are there in 12 weeks?

10. A teacher wants to give each child in her class 4 sweets each.

In the class there are 30 children.

How many sweets does the teacher need?

18. 19 x 16

19. 57 x 30

20. 43 x 35

21. 96 x 82

22. 127 x 15

23. 522 x 28

24. 707 x 93

25. A rugby team brought 14 coaches of supporters to a cup match.

Each coach held 31 supporters

How many supporters were brought to the match?

Check (Answers)	https://corbettmathsprimary.com/2018/07/21/multiplication-answers/

Multiplying and Dividing by 10, 100, 1000

Learn	Multiplying - https://corbettmathsprimary.com/2018/07/24/multiplying-and-dividing-by-10-100-and-1000-videos/ Dividing - https://corbettmathsprimary.com/2018/07/24/multiplying-and-dividing-by-10-100-and-1000-videos/

1. 8 x 100

2. 1,000 x 4

3. 100 x 25

4. Circle the number that is 10 times smaller than 80

90 70 8 800

5. Natalie wants to buy a car.

She saves £100 a month.

How much money will she have saved after 11 months?

£

6. A box holds 10 eggs.

Martha buys 45 boxes of eggs.

How many eggs does Martha buy?

7. 610 ÷ 10

8. 900 ÷ 100

9. 4,000 ÷ 100

10. A ticket for a charity concert costs £10.

450 tickets are sold.

How much money is raised for charity?

£

11. Barry prints books that each have 100 pages.

In total, he prints 9,000 pages

How many books did Barry print?

12. Circle the number that is **10 times** greater than eight hundred and forty.

8,040 84 8,004 8,400 840

13. 100 x 296

14. 100 x 100

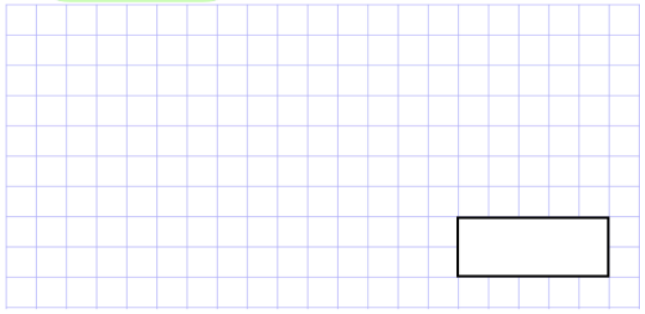
15. 38,000 ÷ 10

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/multiplying-and-dividing-by-10-100-1000-answers/

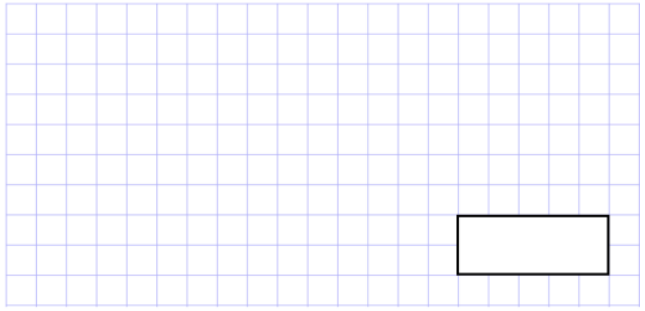
Division (short)

Learn	https://corbettmathsprimary.com/2018/05/30/division-video/

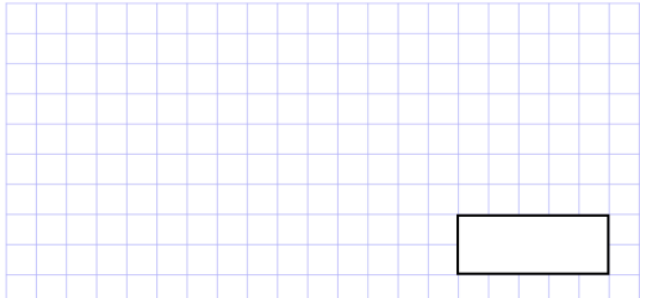
1. 46 ÷ 2



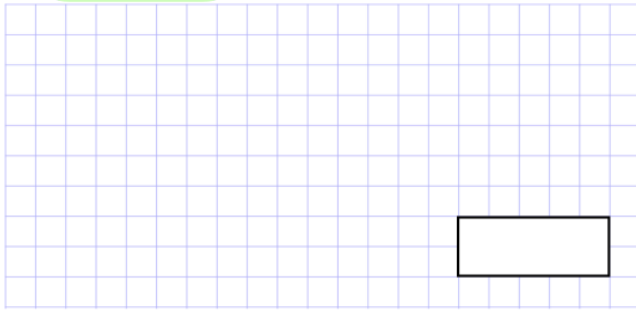
2 55 ÷ 5



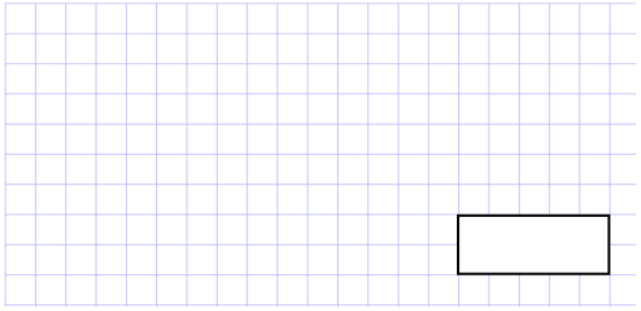
3. 42 ÷ 3



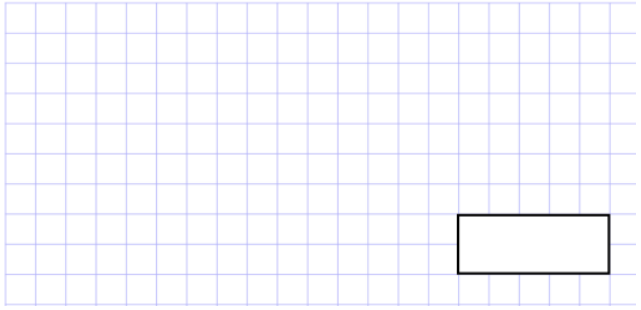
4. 84 ÷ 6



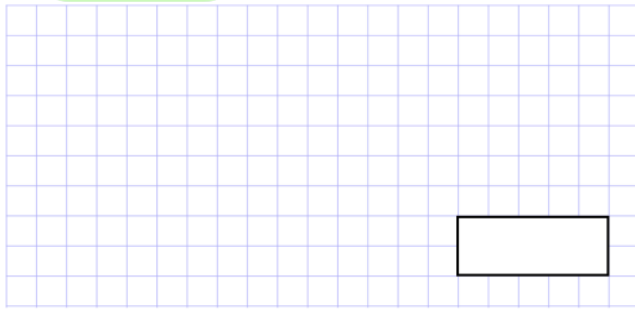
5. 92 ÷ 4



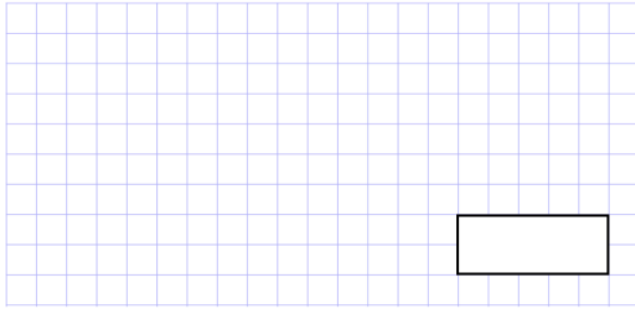
6. 171 ÷ 9



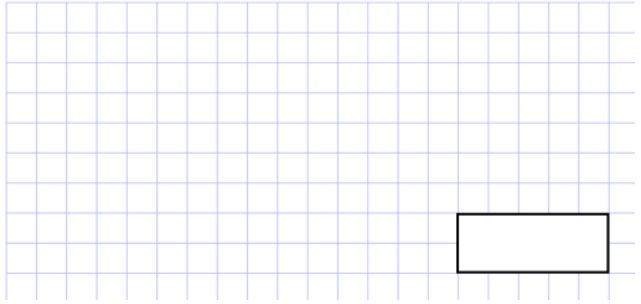
7. 438 ÷ 6



8. 584 ÷ 8



9. 406 ÷ 7



10. A group of 3 friends take a journey in a taxi

The cost of the journey is £45

They share the cost **equally**

How much does each person pay?

£

11. James, Katy, Henry and Erin are going to run a charity cake sale.

They want to make 120 cupcakes in total.

How many cupcakes should each person make?

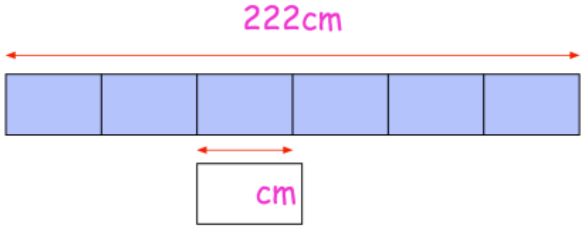
12. A teacher has 135 sweets.

She shares the sweets equally between 5 children.

How many sweets does each child receive?

13. Six identical boxes are placed in a line.

The total length of the six boxes is 222cm



How long is one box?

cm

14. Rosie is paid £8 an hour.

In one week Rosie is pad £264

How many hours did Rosie work?

15. It takes an author 119 days to write a book.

How many weeks is this?

16. Evie buys three pencils

She pays with a **£5 note.**

This is her change.

What is the cost of **one** pencil?

p

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/division-answers/

Division (long)

Learn	https://corbettmathsprimary.com/2020/05/22/long-division-video/

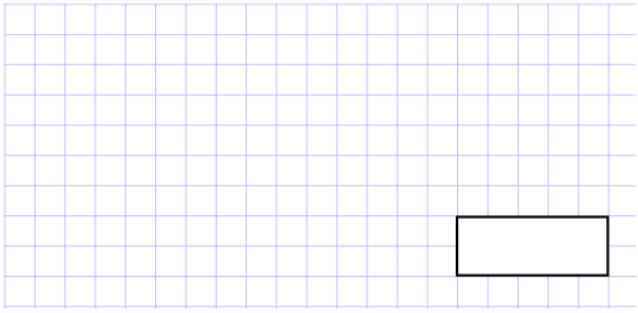
(a)	2735 ÷ 5	(b)	3312 ÷ 4	(c)	2664 ÷ 3	(d)	6540 ÷ 5
(e)	3360 ÷ 7	(f)	4902 ÷ 6	(g)	7128 ÷ 9	(h)	9020 ÷ 5
(i)	8208 ÷ 8	(j)	7500 ÷ 6	(k)	15462 ÷ 3	(l)	24353 ÷ 7

(a)	154 ÷ 11	(b)	192 ÷ 12	(c)	195 ÷ 13	(d)	345 ÷ 15
(e)	374 ÷ 22	(f)	416 ÷ 16	(g)	385 ÷ 11	(h)	648 ÷ 12
(i)	1150 ÷ 25	(j)	805 ÷ 35	(k)	1196 ÷ 52	(l)	630 ÷ 18
(m)	5580 ÷ 90	(n)	2520 ÷ 105	(o)	1755 ÷ 65	(p)	2904 ÷ 33

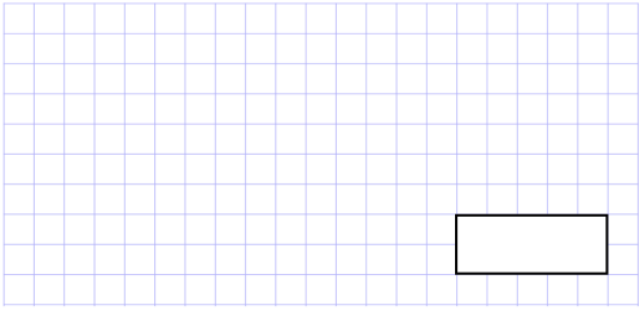
Decimals: Adding

Learn	http://corbettmathsprimary.com/2018/07/15/adding-decimals-video/

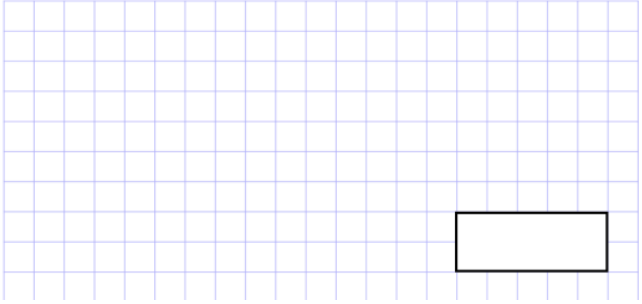
1. 3.2 + 1.4



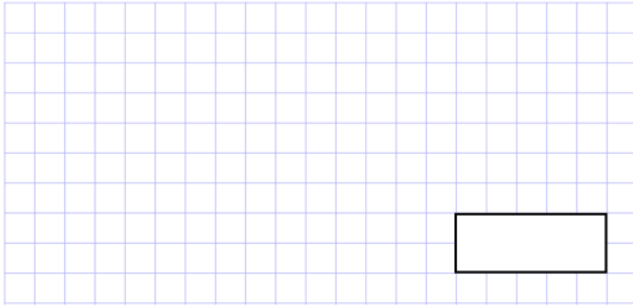
2. 4.5 + 1.6



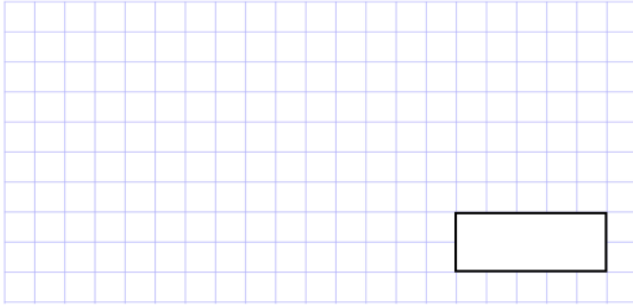
3. 0.9 + 0.8



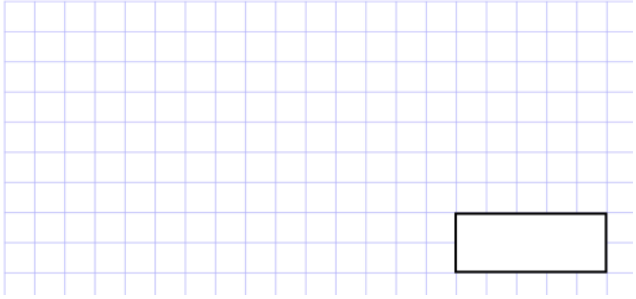
4. 1.3 - 0.4



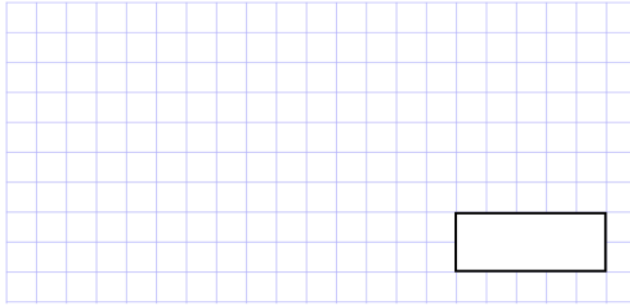
5. 5.1 - 1.8



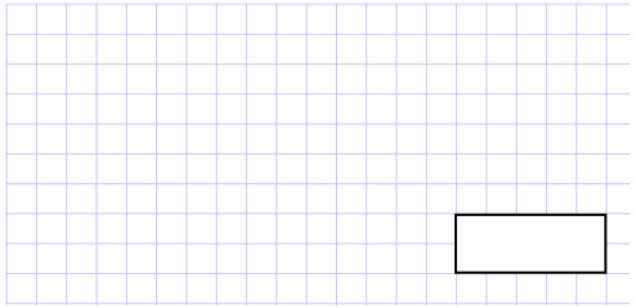
6. 17.2 - 3.9



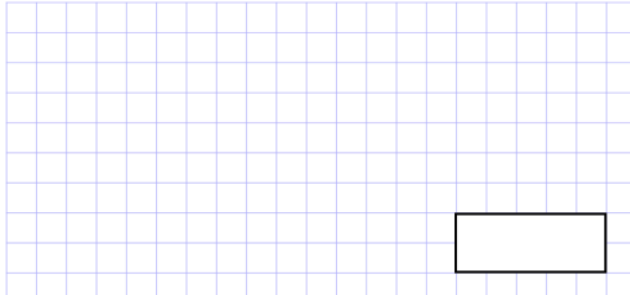
7. 9 - 5.2



8. 14.8 + 14.6



9. 0.8 + 1.6 + 0.9

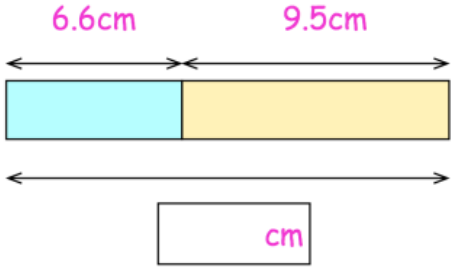


10. Two decimal numbers add together to equal 2

One of the numbers is 1.4

What is the other number?

11.



Work out the total length of the two blocks

cm

12. The numbers in this sequence increase by the same amount each time

Write the missing numbers

0.7 1.3 1.9 3.1

13. Dani drives 4.8 miles to Bristol and then further 6.7 miles to Bath.

Work out how far Dani drove in total

miles

14. Lucy cuts **8** metres of rope into **three** pieces.

The first piece of rope is 2.7 metres.

The second piece of rope is 0.9 metres.

Work out the length of the third piece of rope

m

15. 0.14 + 0.67

16. 2.49 + 1.98

17. 8.77 + 3.81

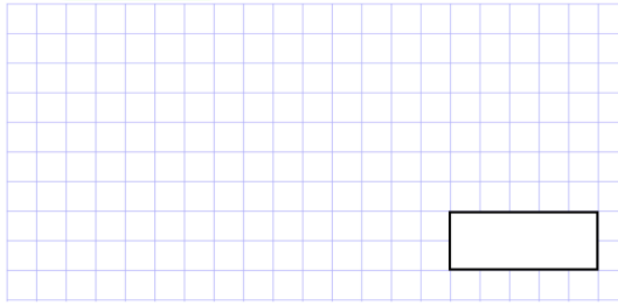
18. 6.5 + 1.73

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/adding-decimals-answers/

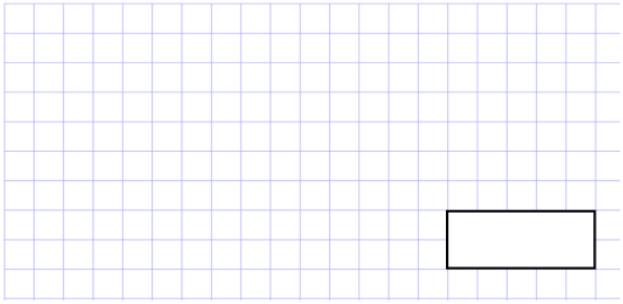
Decimals: Multiplying

Learn	https://corbettmathsprimary.com/2018/07/20/multiplying-decimals-video/

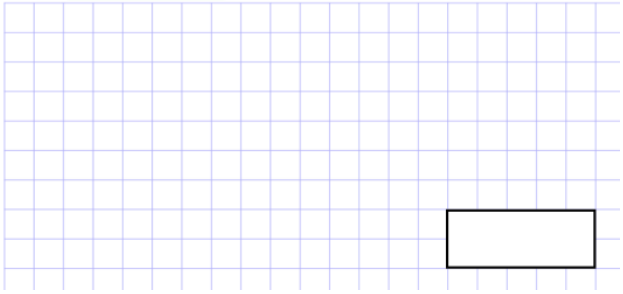
1. 1.2 x 4



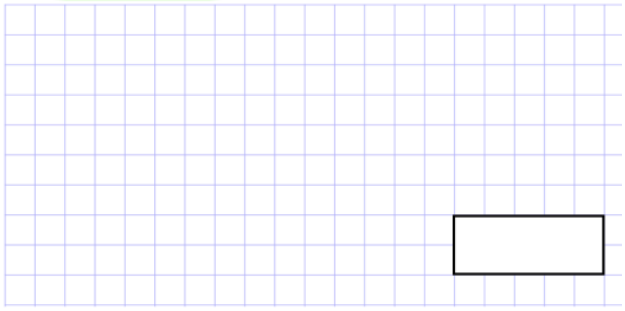
2. 0.6 x 6



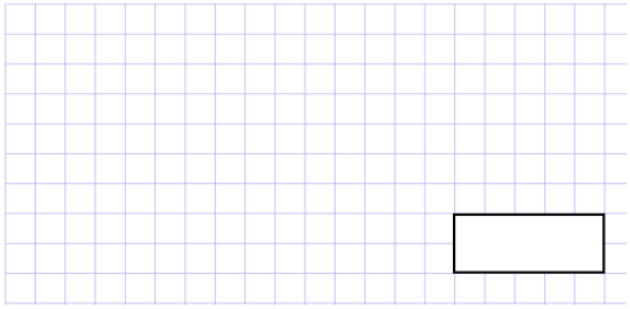
3. 7.3 x 3



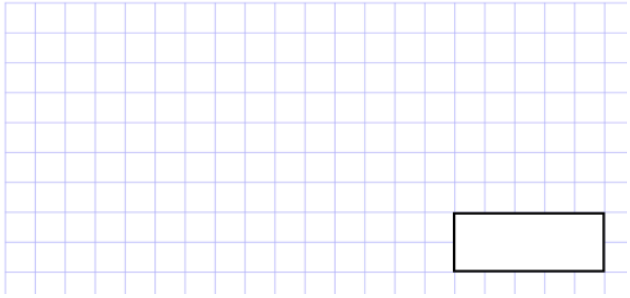
4. 5 x 2.9



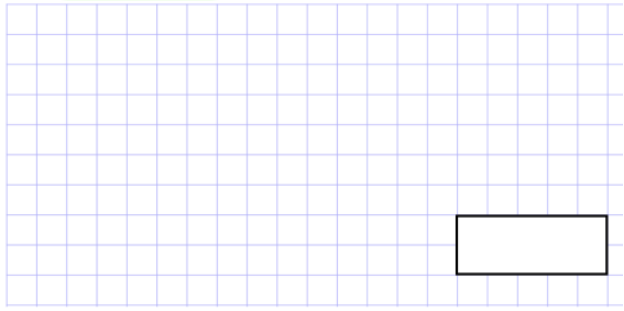
5. 8 x 0.3



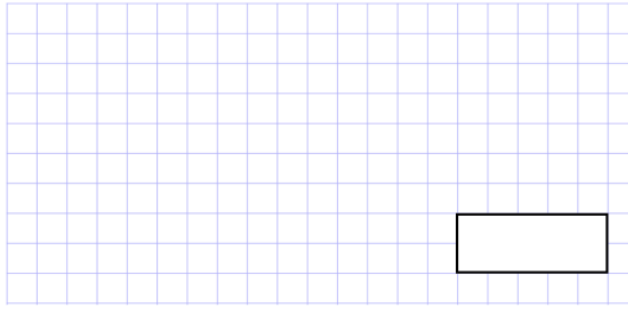
6. 0.8 x 9



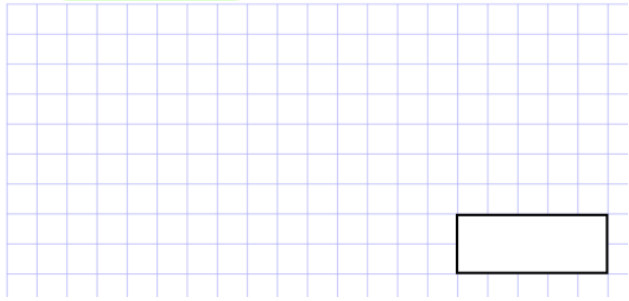
7. 8.4 x 7



8. 12.9 x 3



9. 1.26 x 5



10. 0.38 x 6

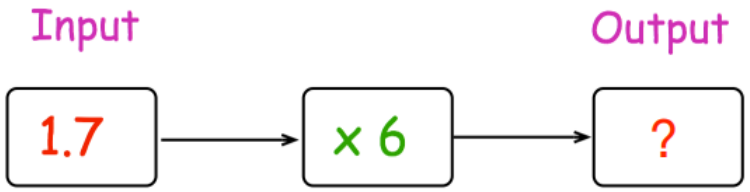
11. Lauren has 5 pieces of rope.

Each piece of rope is 0.9 metres long.

Work out the total length of the 5 pieces of rope

m

12.



Work out the output

13. Regan is paid £7.30 an hour.

He works 4 hours in a week

Work out how much Regan is paid

£

14. Work out the product of 1.73 and 6

15. A bottle of cola costs £1.55

Work out the total cost of 8 bottles

£

16. Mr and Mrs Hughes bring their 5 children to a museum

Adult	£15.65 each
Children	£4.90 each

Work out the total cost for the family

£

Check (Answers)	https://corbettmathsprimary.com/2018/07/20/multiplying-decimals-answers/

Decimals: Ordering

Learn	https://corbettmathsprimary.com/2018/07/16/ordering-decimals-video/

1. Write these numbers in order, starting with the **smallest**

9.2 2.9 5.4 8.7

smallest largest

2. Write these numbers in order, starting with the **smallest**

0.59 1.24 0.45 1.34 0.88

smallest largest

3. Write these numbers in order, starting with the **smallest**

5.25 5.2 5.19 5.08 5.1

smallest largest

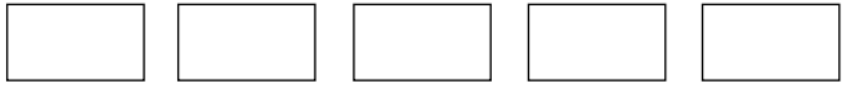
4. Write these numbers in order, starting with the **smallest**

1.4 0.85 1.362 0.417

smallest largest

5. Write these numbers in order, starting with the **largest**

5.06 15 0.65 1.56 6.5

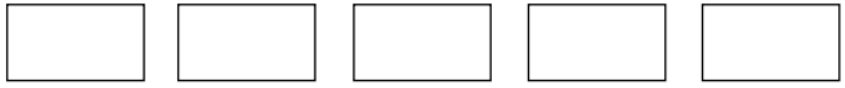


largest smallest

---

6. Write these numbers in order, starting with the **smallest**

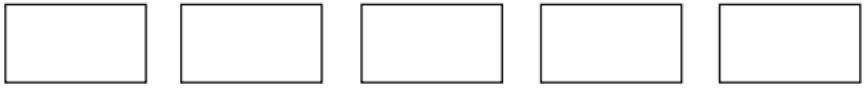
0.304 0.41 0.088 2.1 0.9



smallest largest

7. Write these numbers in order, starting with the **smallest**

7.23 2.7 7.226 7.3 2.37



smallest largest

---

8. Write these numbers in order, starting with the **largest**

0.342 0.075 0.256 0.34 0.4

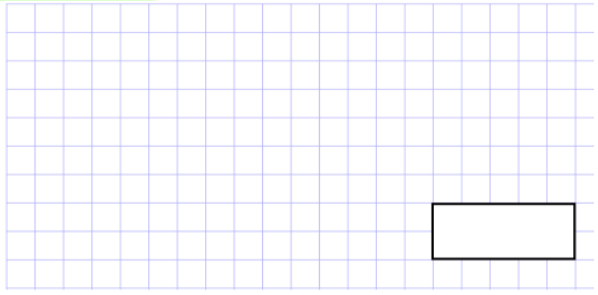
largest smallest

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/ordering-decimals-answers/

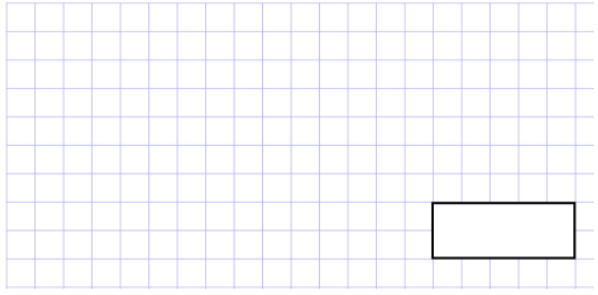
Fractions: Adding (same denominator)

Learn	https://corbettmathsprimary.com/2018/07/16/adding-fractions-1-video/

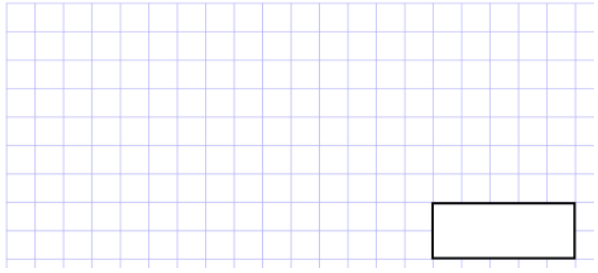
1. $\frac{2}{5} + \frac{1}{5}$



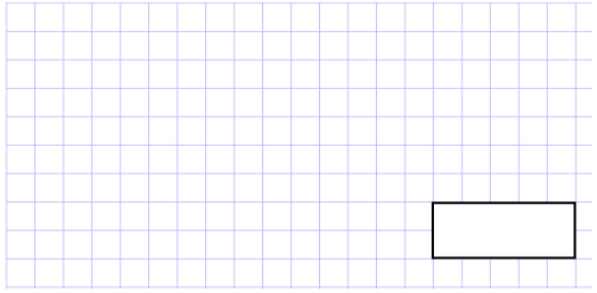
2. $\frac{7}{9} - \frac{5}{9}$



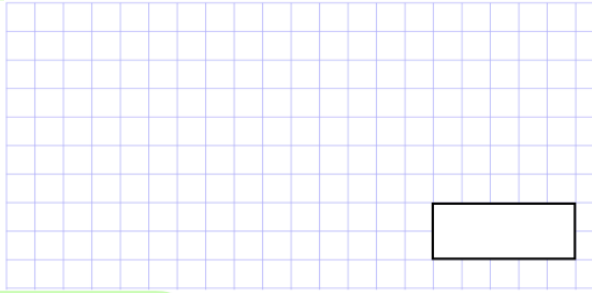
3. $\frac{6}{11} + \frac{2}{11}$



4. $\frac{16}{25} - \frac{4}{25}$



5. $\frac{2}{3} + \frac{2}{3}$



6. $\frac{3}{8} + \frac{7}{8}$

7. $\frac{1}{12}$ of the cupcakes in a box are lemon

$\frac{4}{12}$ of the cupcakes in the box are strawberry

What fraction of the cupcakes in the box are lemon or strawberry?

8. $\frac{1}{3}$ of the students in a class are left handed.

What fraction of the class are right handed?

9. On Monday, Kenneth ate $\frac{2}{8}$ of a cake.

On Tuesday he ate $\frac{3}{8}$ of the same cake.

In total, how much of the cake has Kenneth eaten?

10. In one season, a netball team won $\frac{4}{9}$ of their matches.

They drew $\frac{2}{9}$ of their matches.

What fraction of the matches did they lose?

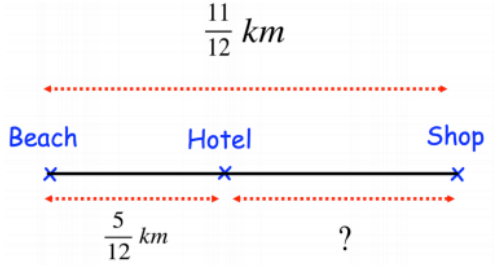
11. In a school, the children study French, German or Spanish.

$\frac{1}{7}$ of the children study Spanish.

Half of the remaining children study French.

What fraction of the children study French?

12.



Find the distance from the hotel to the shop

13. Three different fractions have been added together and answer is $\frac{17}{20}$

Write down three fractions that may have been added together

$\square + \square + \square = \frac{17}{20}$

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/adding-fractions-1-answers/

Fractions: Adding (different denominator)

Learn https://corbettmathsprimary.com/2018/07/16/adding-fractions-2-video/

1. $\frac{2}{3} + \frac{1}{6}$

2. $\frac{3}{8} - \frac{1}{4}$

3. $\frac{7}{20} + \frac{2}{5}$

4. $\frac{11}{18} + \frac{1}{6}$

5. $\frac{7}{15} - \frac{1}{5}$

6. $\frac{39}{100} - \frac{7}{20}$

7. $\frac{1}{2} + \frac{2}{5}$

8. $\frac{1}{3} + \frac{1}{2}$

9. $\frac{4}{5} - \frac{2}{3}$

10. $\frac{5}{11} + \frac{1}{4}$

11. $\frac{3}{4} - \frac{2}{5}$

12. $\frac{8}{9} - \frac{3}{5}$

13. $\frac{1}{2}$ of the cars in a car park are red

$\frac{1}{4}$ of the cars in the car park are blue

What fraction of the cars in car park are red or blue?

---

14. This week Harry spent $\frac{2}{3}$ of his pocket money on a ticket for a match

He also spent $\frac{1}{9}$ of his pocket money on a scarf at the match

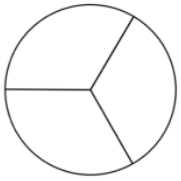
What fraction of his pocket money has Harry spent?

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/adding-fractions-2-answers/

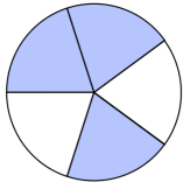
Fractions, Decimals, Percentages

Learn https://corbettmathsprimary.com/2018/07/24/fractions-decimals-and-percentages-video/

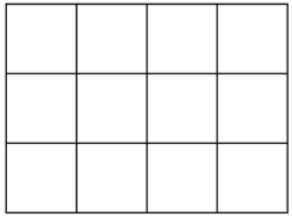
1. Shade $\frac{2}{3}$ of this diagram



2. What fraction of this diagram is shaded?



3. Shade 50% of this diagram



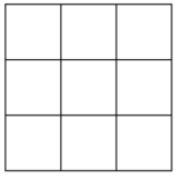
4. Mike got 25% of the questions right on a test.

What fraction of the questions did he get right?

5. Write 0.5 as a percentage

%

6. Shade $\frac{5}{9}$ of this diagram



7. Fill in the missing values

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	
	0.25	25%
$\frac{1}{5}$		20%
$\frac{1}{10}$	0.1	

8. Tick the **two** numbers that are equivalent to $\frac{3}{4}$

75% ☐

$\frac{34}{100}$ ☐

0.75 ☐

$\frac{4}{5}$ ☐

34% ☐

9. Write 0.8 as a percentage

☐ %

10. Write 30% as a fraction

☐

11. Write $\frac{2}{5}$ as a decimal

☐

12. Write $\frac{7}{10}$ as a percentage

☐ %

13. Tick the **two** numbers that are equivalent to $\frac{3}{5}$

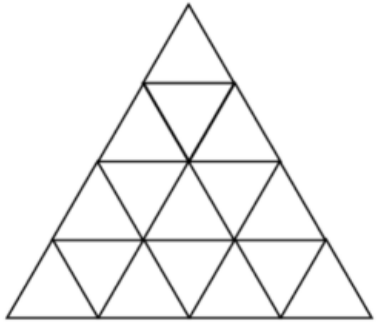
35% ☐

$\frac{30}{50}$ ☐

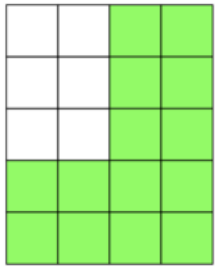
0.35 ☐

0.6 ☐

14. Shade 75% of this diagram



15. What fraction of this diagram is shaded?



☐

16. In a school, $\frac{2}{5}$ of the children wear glasses.

What fraction of the children **do not** wear glasses?

☐

What percentage of the children **do not** wear glasses?

%

17. There are 30 sweets in a bag.

20 sweets are red.

What fraction of the sweets are red?

18.

What fraction of the letters are the letter T ?

What fraction of the letters are the letter A ?

19. In a town in Cornwall, it rained for 13 days during April.

What fraction of the days in the month did it rain?

20. During a day Madeleine slept for 6 hours

What percentage of the day is Madeleine awake?

%

21. Danny scored 9 out of 10 in a quiz

✅ ❌

What percentage of the questions did Danny answer correctly?

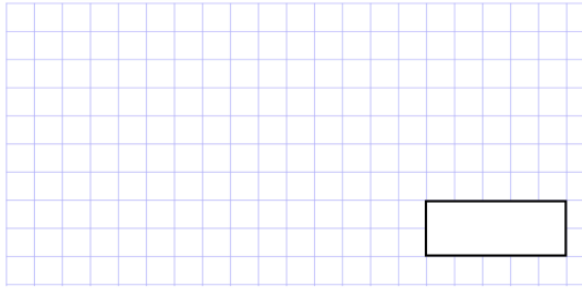
%

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/fractions-decimals-and-percentages-answers/

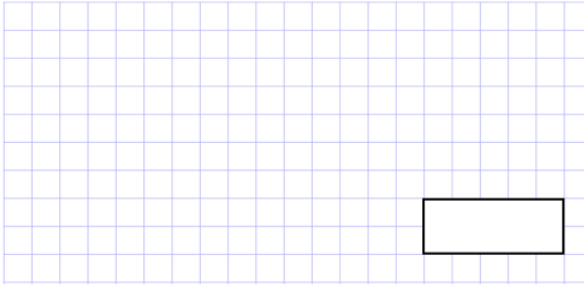
Fractions: Dividing

Learn	https://corbettmathsprimary.com/2018/07/24/dividing-fractions-video/

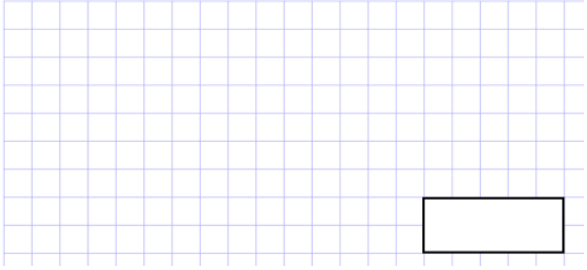
1. $\frac{3}{7} \div 3$



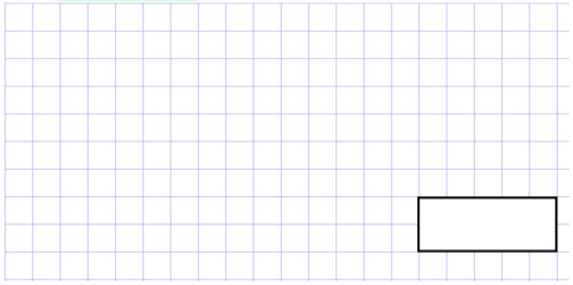
2. $\frac{2}{3} \div 2$



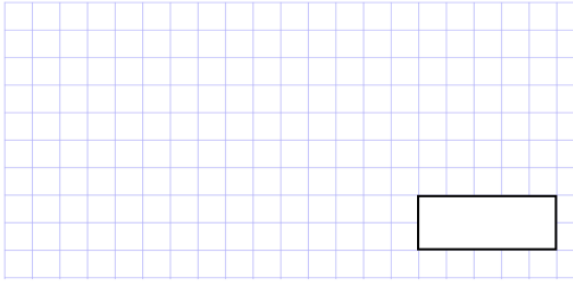
3. $\frac{5}{9} \div 5$



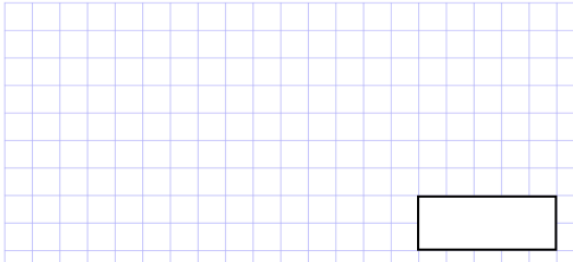
4. $\frac{9}{10} \div 3$



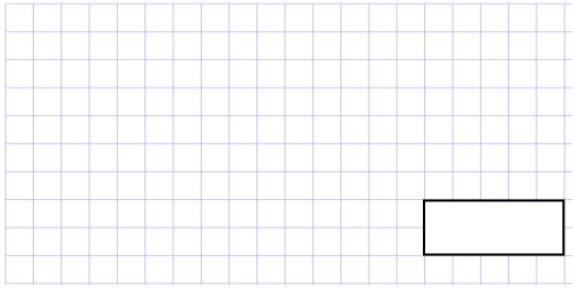
5. $\frac{4}{11} \div 2$



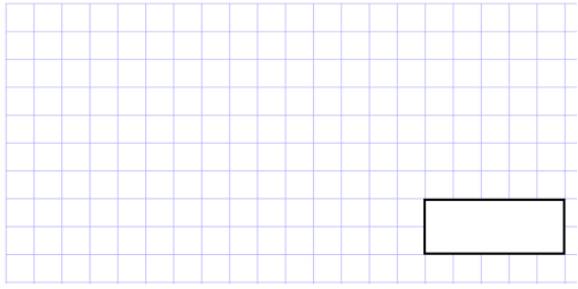
6. $\frac{6}{7} \div 3$



7. $\frac{1}{3} \div 2$



8. $\frac{1}{4} \div 3$



9. $\frac{1}{2} \div 10$

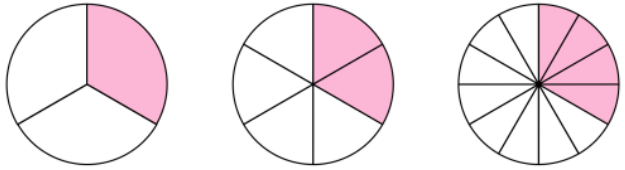
Check (Answers)	https://corbettmathsprimary.com/2018/07/24/dividing-fractions-answers/

Fractions: Equivalent and Simplifying

Learn	https://corbettmathsprimary.com/2018/07/24/equivalent-fractions-and-simplifying-fractions-videos/

1. These diagrams show three equivalent fractions

Write in the missing numbers

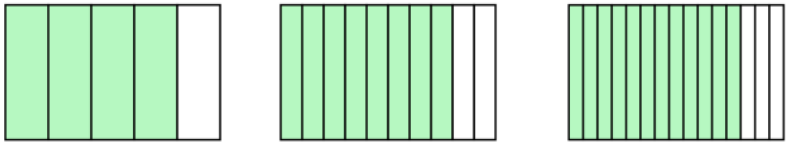


$\frac{1}{3}$ $\frac{2}{\square}$ $\frac{\square}{12}$

---

2. These diagrams show three equivalent fractions

Write in the missing numbers



$\frac{4}{\square}$ $\frac{8}{10}$ $\frac{\square}{15}$

3. Find the missing number

$$\frac{2}{3} = \frac{\square}{6}$$

---

4. Find the missing number

$$\frac{1}{5} = \frac{\square}{20}$$

---

5. Find the missing number

$$\frac{5}{7} = \frac{10}{\square}$$

6. Find the missing number

$$\frac{\square}{5} = \frac{15}{25}$$

---

7. Find the missing number

$$\frac{4}{\square} = \frac{12}{21}$$

---

8. Find the missing number

$$\frac{3}{8} = \frac{9}{\square}$$

9. Simplify

$$\frac{6}{8}$$

10. Simplify

$$\frac{9}{15}$$

11. Simplify

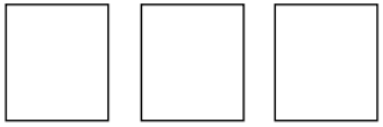
$$\frac{18}{22}$$

12. Over 20 days in February, it rained on 12 days.

What fraction of the days were rainy?
Simplify your answer

---

13. Write down 3 different fractions that are equivalent to $\frac{3}{5}$



14. Two of the fractions are equivalent

Circle the equivalent fractions

$$\frac{2}{3} \quad \frac{12}{15} \quad \frac{9}{12} \quad \frac{16}{20} \quad \frac{6}{10}$$

---

15. Circle the two fractions that are **not** equivalent to $\frac{2}{3}$

$$\frac{14}{21} \quad \frac{20}{33} \quad \frac{15}{25} \quad \frac{12}{18}$$

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/equivalent-fractions-and-simplifying-fractions-answers/

Fractions: Finding the Original

Learn https://corbettmathsprimary.com/2018/07/24/finding-the-original-video/

1. Harry thinks of a **whole** number.

   He works out **one-quarter** of the number.

   The result is 20.

   What was the number that Harry started with?

2. $\frac{1}{3}$ of the children in a class have brown hair.

   7 children in the class have brown hair.

   How many children are in the class?

3. Jackson is $\frac{1}{5}$ of Sam's age.

   Jackson is 12 years old.

   How old is Sam?

4. In Year 6, $\frac{3}{4}$ of the children are right handed.

   There are 16 children that are left handed in Year 6.

   How many children are in Year 6?

5. Kyle had some money.

He spent £12.50 on a ticket to a football match.

He spent £6 on a scarf.

He has **two-thirds** of his money left.

How much money did Kyle have to **start with**?

£

---

6. Rebecca is $\frac{1}{3}$ of Barry's age.

Barry is $\frac{1}{6}$ of Neville's age.

Rebecca is 4 years old.

How old is Neville?

7. A new snack bar contains 9g of sugar.

$\frac{3}{10}$ of the snack bar is sugar.

Work out the mass of the snack bar.

g

---

8. On Monday, Beth read $\frac{7}{10}$ of his book.

On Tuesday she read the other 42 pages to finish her book.

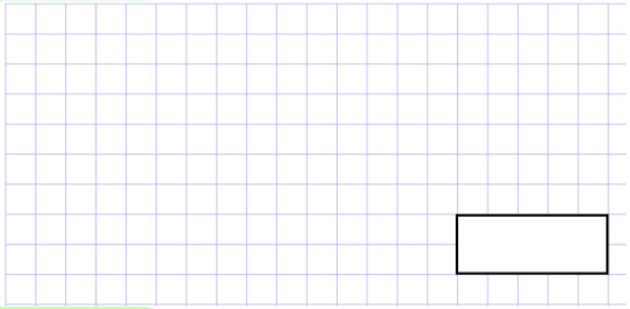
How many pages are there in Beth's book?

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/finding-the-original-answers/

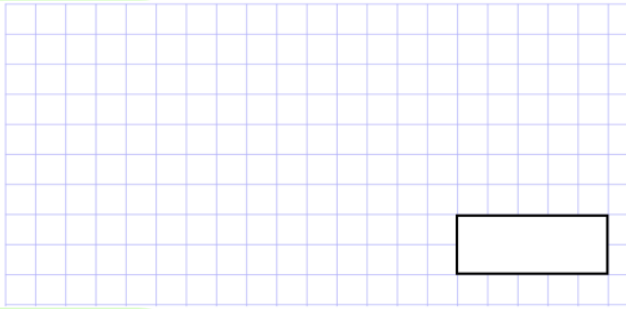
Fractions: Multiplying

Learn	**https://corbettmathsprimary.com/2018/07/18/multiplying-fractions-video/**

1. $\frac{1}{2} \times \frac{1}{5}$

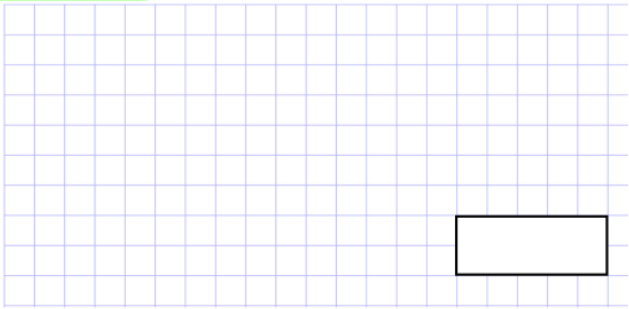


2. $\frac{1}{3} \times \frac{1}{3}$

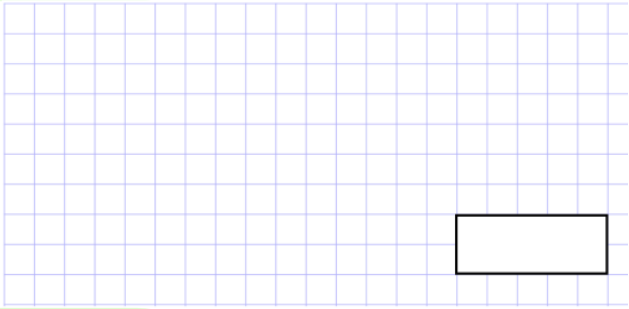


3. $\frac{1}{2} \times \frac{3}{4}$

4. $\frac{3}{4} \times \frac{1}{4}$

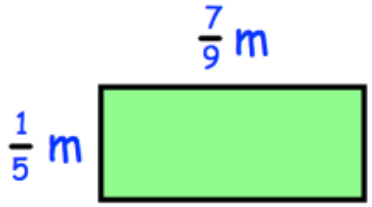


5. $\frac{3}{10} \times \frac{1}{2}$



6. $\frac{3}{10} \times \frac{5}{6}$

7.



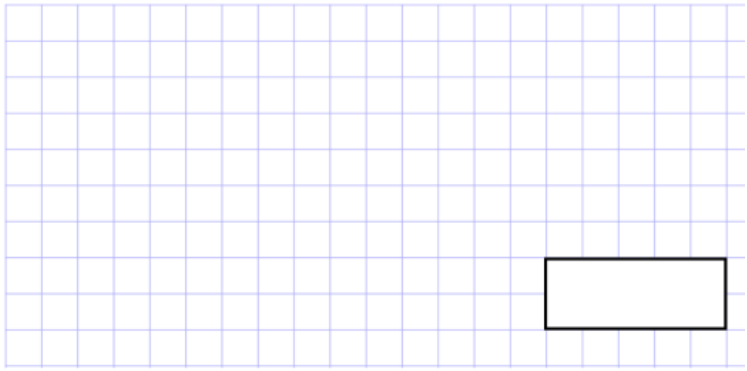
Find the area of this rectangle

m²

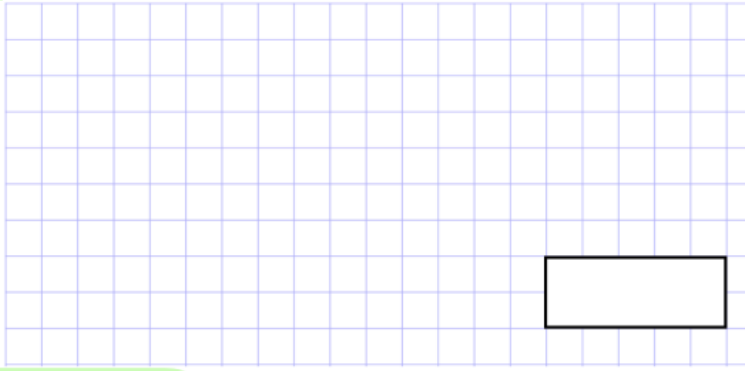
8. Work out the missing number

$$\square \div \frac{7}{15} = \frac{2}{3}$$

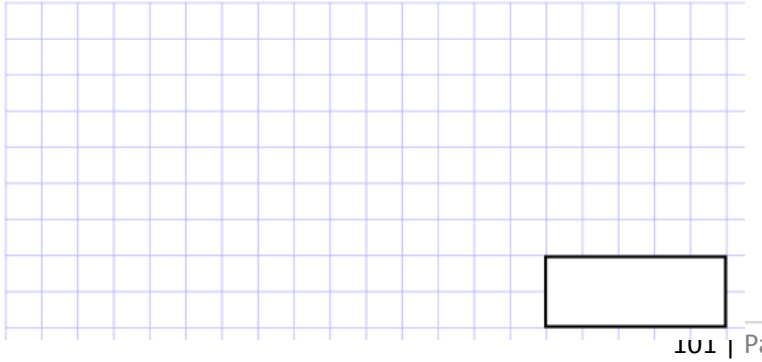
9. $\frac{1}{5} \times 3$



10. $7 \times \frac{1}{8}$



11. $30 \times \frac{1}{2}$



12. $\frac{4}{5} \times 20$

13. $\frac{1}{5} \times 360$

14. Alexis has a pet dog, Maxi.

Each day Maxi eats $\frac{2}{3}$ of a can of dog food.

How many cans of dog food should Alexis buy to last 12 days?

cans

15. $30 \times 1\frac{1}{2}$

Check (Answers)	https://corbettmathsprimary.com/2018/07/18/multiplying-fractions-answers/

Fractions: Fractions of an Amount

Learn	https://corbettmathsprimary.com/2018/07/17/fractions-of-amounts-video/

1. Work out $\frac{1}{4}$ of 24

2. Work out $\frac{1}{3}$ of 18

3. Work out $\frac{1}{5}$ of 60

4. Work out $\frac{2}{3}$ of 15

5. Work out $\frac{3}{4}$ of 36

6. Work out $\frac{2}{5}$ of 40

7. Work out $\frac{6}{7}$ of 56

8. James has 20 sweets.

$\frac{3}{4}$ of the sweets are red.

How many sweets are red?

9. In a class, there are 27 children.

$\frac{2}{9}$ of the children wear glasses.

How many children **do not** wear glasses?

10. Raphael has a book with 120 page.

He has read $\frac{3}{5}$ of the pages in his book.

How many pages has Raphael read?

11. On Saturday, Victoria slept for $\frac{3}{8}$ of the day.

How many hours did Victoria sleep on Saturday?

12. Declan has £3,000

He puts $\frac{2}{5}$ of the money in the bank.

How much money did Declan put in the bank?

£

13. There are 1,526 fans at a football match.

$\frac{3}{7}$ of the fans are children.

How many children attended the football match?

14. Shane has saved £450

He spends $\frac{1}{5}$ of the £450 on a new tyre for his car.

He spends $\frac{2}{3}$ of the £450 on a new guitar.

How much money does Shane have left?

£

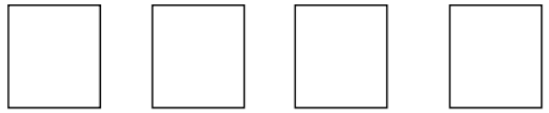
Check (Answers)	https://corbettmathsprimary.com/2018/07/17/fractions-of-amounts-answers/

Fractions: Ordering

Learn	**https://corbettmathsprimary.com/2018/07/21/ordering-fractions-video/**

1. Write these fractions in order, starting with the **smallest**

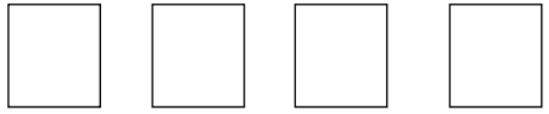
$\frac{6}{7}, \frac{1}{7}, \frac{2}{7}, \frac{5}{7}$



smallest largest

2. Write these fractions in order, starting with the **smallest**

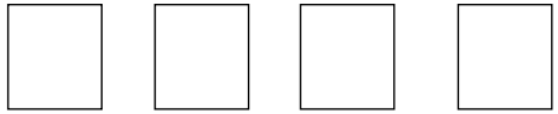
$\frac{2}{9}, \frac{8}{9}, \frac{5}{9}, \frac{1}{9}$



smallest largest

3. Write these fractions in order, starting with the **smallest**

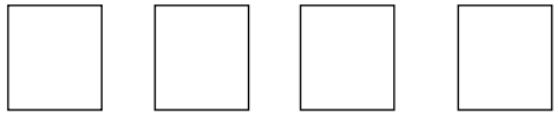
$\frac{1}{5}, \frac{3}{10}, \frac{2}{5}, \frac{1}{10}$



smallest largest

4. Write these fractions in order, starting with the **largest**

$\frac{5}{9}, \frac{2}{3}, \frac{7}{9}, \frac{1}{3}$



largest smallest

5. Write these fractions in order, starting with the **smallest**

$\frac{2}{3}$, $\frac{11}{15}$, $\frac{7}{15}$, $\frac{3}{5}$

□ □ □ □

smallest largest

6. Write these fractions in order, starting with the **smallest**

$\frac{13}{16}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{11}{16}$

□ □ □ □

smallest largest

7. Write these fractions in order, starting with the **largest**

$\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{6}$, $\frac{5}{12}$

□ □ □ □

largest smallest

8. Write these fractions in order, starting with the **smallest**

$\frac{3}{4}$, $\frac{2}{3}$, $\frac{5}{6}$, $\frac{1}{3}$

□ □ □ □

smallest largest

Check (Answers)	https://corbettmathsprimary.com/2018/07/21/ordering-fractions-answers/

Mixed Numbers and Improper Fractions

Learn	**https://corbettmathsprimary.com/2018/07/21/mixed-numbers-video/**

1. Write $\frac{7}{3}$ as a mixed number

2. Write $\frac{5}{2}$ as a mixed number

3. Write $\frac{5}{3}$ as a mixed number

4. Write $\frac{13}{10}$ as a mixed number

5. Write $\frac{16}{7}$ as a mixed number

6. Write $\frac{60}{11}$ as a mixed number

7. Write $1\frac{3}{4}$ as an improper (top-heavy) fraction

8. Write $3\frac{1}{2}$ as an improper fraction

9. Write $1\frac{2}{5}$ as an improper fraction

10. Write $2\frac{3}{10}$ as an improper fraction

11. Write $1\frac{1}{3}$ as an improper fraction

12. Write $4\frac{3}{4}$ as an improper fraction

13. Match up the equivalent mixed numbers and the improper fractions

$2\frac{1}{4}$	$2\frac{1}{3}$	$1\frac{3}{4}$	$3\frac{2}{3}$
$\frac{7}{4}$	$\frac{11}{3}$	$\frac{7}{3}$	$\frac{9}{4}$

14. Gregory the cat eats $\frac{2}{5}$ of a can of cat food each day.

Work out how much cat food is eaten in one week.
Give your answer as a mixed number.

cans

15. Here are 5 number cards.

13	9	21	5	2

Using the cards, make an improper fractions between 2 and 3

$\frac{\square}{\square}$

Using the cards, make an improper fractions between 4 and 5

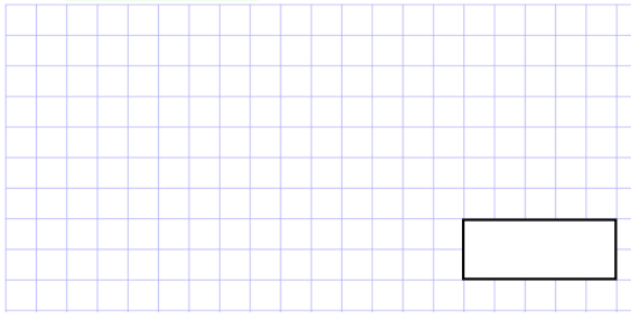
$\frac{\square}{\square}$

Check (Answers)	https://corbettmathsprimary.com/2018/07/21/mixed-numbers-answers/

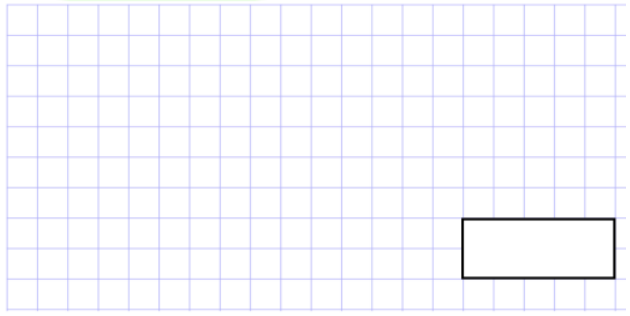
Percentages of Amounts

Learn	https://corbettmathsprimary.com/2018/07/18/percentages-of-amounts-video/

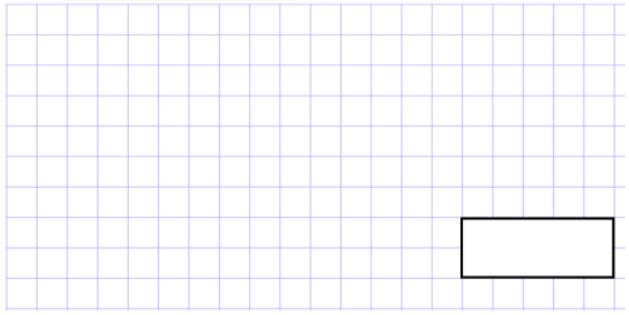
1. 50% of 32



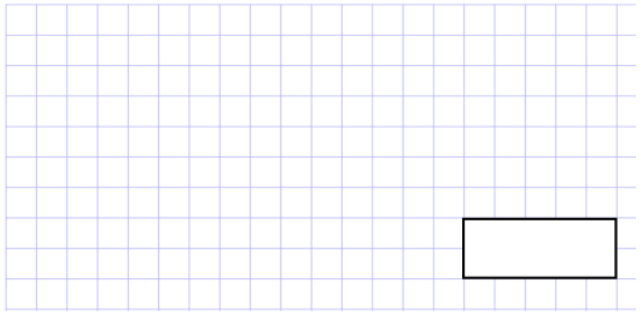
4. 50% of 17



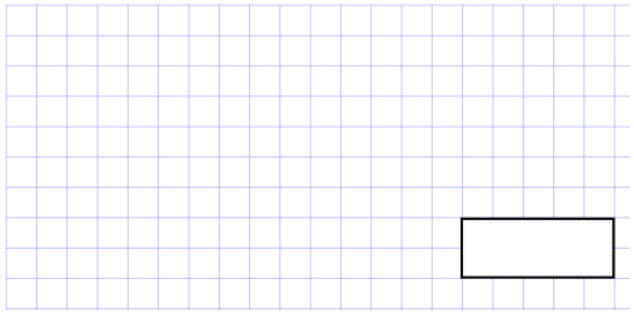
7. 10% of 800



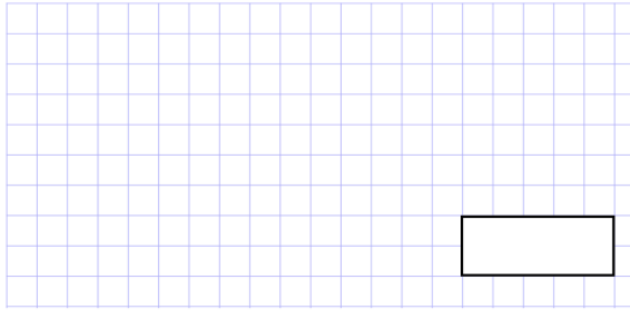
2. 25% of 12



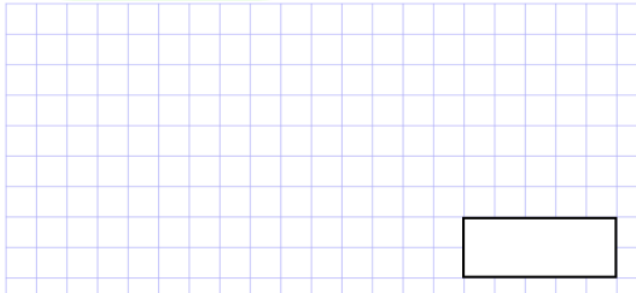
5. 25% of 600



8. 1% of 700



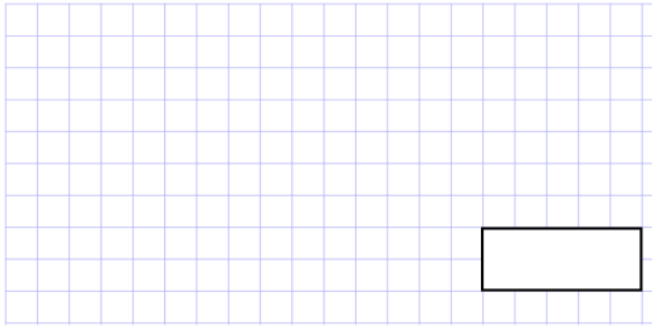
3. 10% of 60



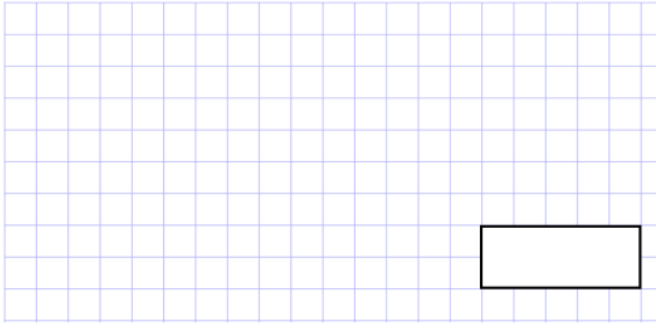
6. 75% of 48

9. 20% of 30

10. 30% of 70

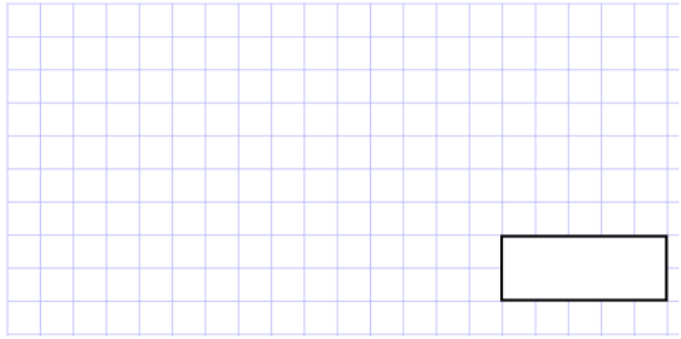


11. 5% of 9,000

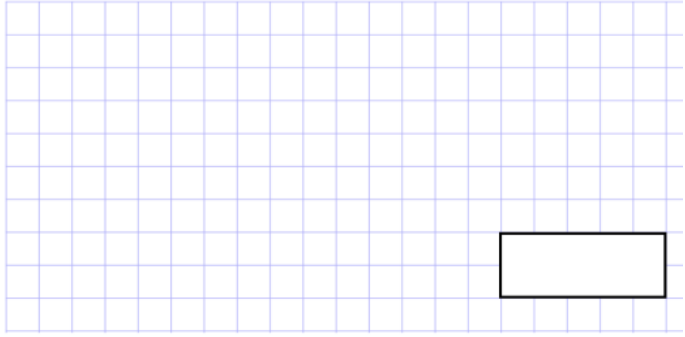


12. 20% of 1,600

13. 60% of 460

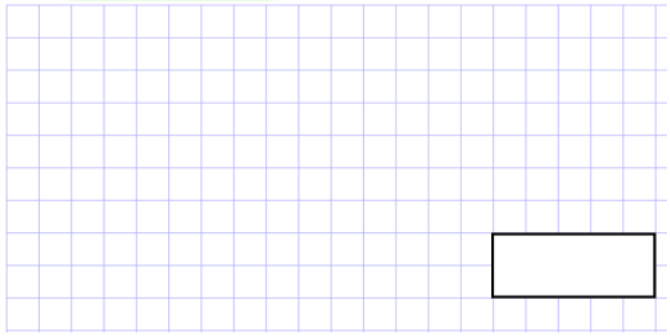


14. 3% of 500

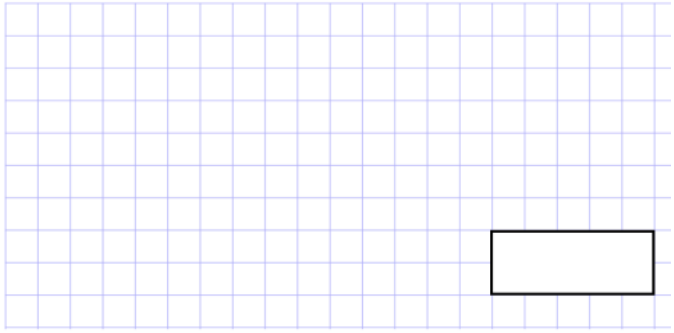


15. 15% of 4,000

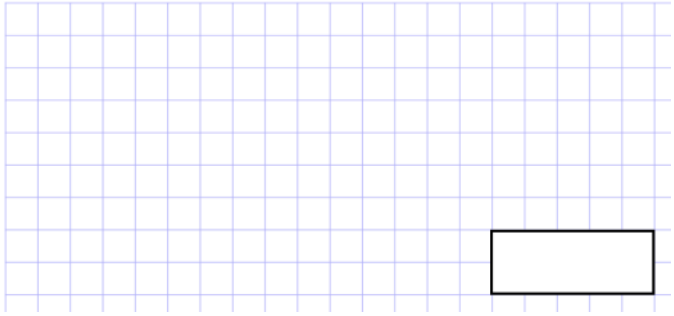
16. 35% of 820



17. 15% x 660



18. 4% x 6,000



19. A school has 152 students

50% of the students are boys.

How many of students are boys?

---

20. There are 800 fans at a rugby match between Carrick and Larne.

20% of the fans support Carrick.
The rest of the fans support Larne.

How many fans support Carrick?

How many fans support Larne?

21. Hannah has £700

She spends **15%** of her money on a new guitar.

How much does Hannah spend on her guitar?

£

---

22. An adult ticket for a museum is £20.00

A child ticket costs 60% of the price of an adult ticket.

How much does a child ticket cost?

£

23. A cake has a mass of 600g.

45% of the cake is sugar.

How many grams of sugar are in the cake?

g

---

24. 7% of 800

25. 95% of 520

26. 99% of 400

27. 80% of 29,000

Check (Answers)	https://corbettmathsprimary.com/2018/07/18/percentages-of-amounts-answers/

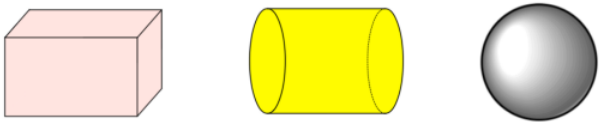
Geometry: Edges, Faces, Vertices

Learn	**https://corbettmathsprimary.com/2018/05/30/edges-faces-vertices-video/**

1. The names of six 3-D shapes are given below

Cube	Sphere	Triangular Prism
Cuboid	Cylinder	Cone

Three of them are drawn below



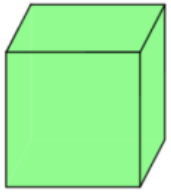
A B C

What is the name of shape A?

What is the name of shape B?

What is the name of shape C?

2. Here is a cube.

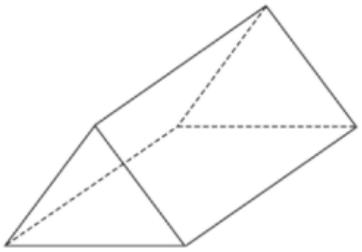


How many faces does a cube have?

How many edges does a cube have?

How many vertices does a cube have?

3. Here is a triangular prism.

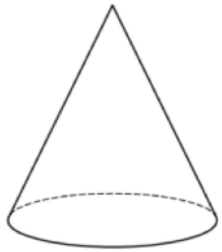


How many faces does a triangular prism have?

How many edges does a triangular prism have?

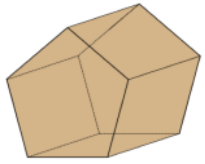
How many vertices does a triangular prism have?

4. Here is a 3-D shape



What is the name of this 3-D shape?

5. Here is a pentagonal prism



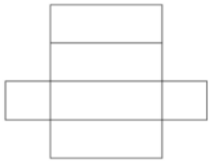
How many faces does a pentagonal prism have?

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/3d-shapes-answers/

Geometry: Nets

Learn	**https://corbettmathsprimary.com/2018/05/30/nets-video/**

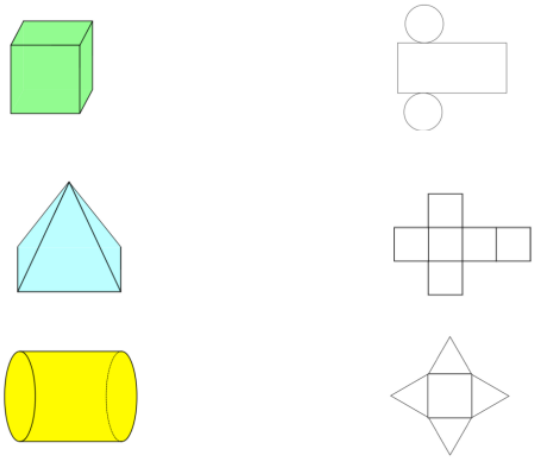
1. Here is the net of a 3-D shape.



Name the 3-D shape

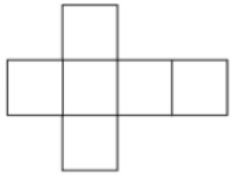
---

2. The diagram below shows three 3-D shapes and their nets



Match each 3-D shape to the correct net.

3. Here is a net of a 3-D shape.



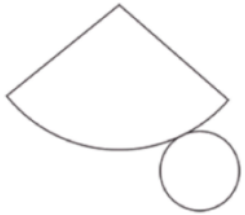
Name the 3-D shape

How many faces does the 3-D shape have?

The net has one line of symmetry.

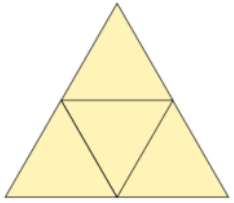
Draw the line of symmetry on the diagram above

4. Here is a net of a 3-D shape.

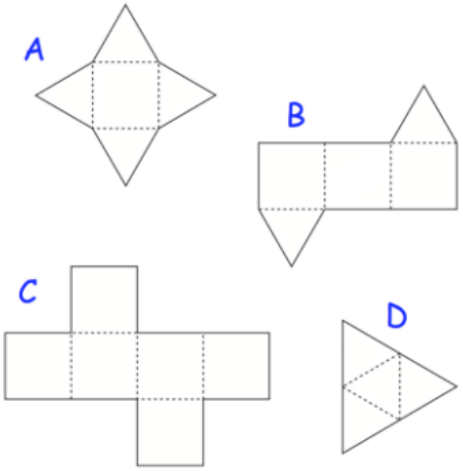


Which shape?

5. What 3-D shape is this the net of?



6. Here are some nets.



Which letter is the net of the cube?

Which letter is the net of the triangular prism?

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/nets-answers/

Geometry: Parallel and Perpendicular Lines

Learn	https://corbettmathsprimary.com/2018/07/19/parallel-perpendicular-lines-video/

1. Draw two parallel lines

2.

C D

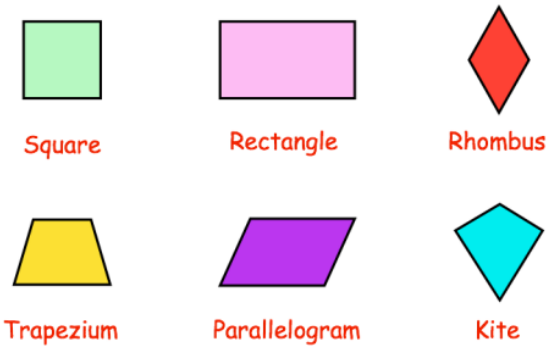
Draw a line perpendicular to the line CD

3.

E F

Draw a line perpendicular to the line EF

4.



Which shape above has no parallel sides?

.....

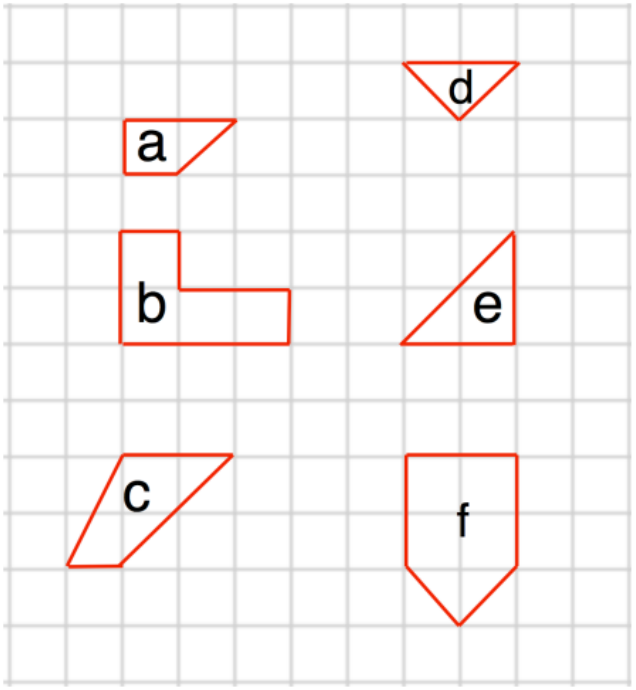
Which shapes above have perpendicular sides?

.....

Which shape above has one pair of parallel lines?

.....

5. Here are some shapes on a grid.



Write the letter of each shape that has one pair of parallel sides

.....

6. Below there are some letters

Circle the letters below that have parallel lines

C E H L V

7. Below there are some letters

Circle the letters below that have perpendicular lines

E N S T Y

Check (Answers)	https://corbettmathsprimary.com/2018/07/19/parallel-perpendicular-lines-answers/

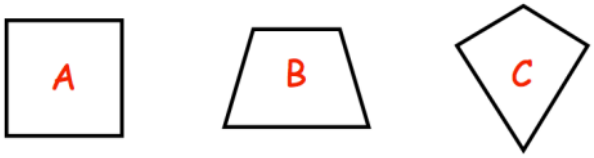
Geometry: Quadrilaterals - Types

Learn	https://corbettmathsprimary.com/2018/05/30/quadrilaterals-video/

1. Here are the names of five quadrilaterals

Square Rhombus Rectangle Kite Trapezium

There of them are drawn below



What is the name of Shape A?

What is the name of Shape B?

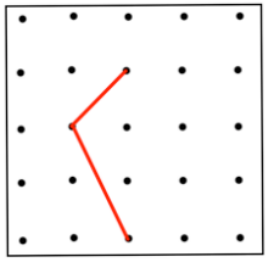
What is the name of Shape C?

2. Here is a quadrilateral

Write down the name of this quadrilateral

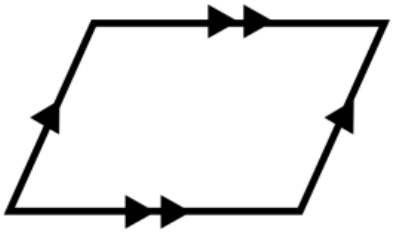
Draw any lines of symmetry on the quadrilateral

3. Alisha is drawing a kite on the grid



Finish drawing the kite

4. Here is a quadrilateral.
It has two pairs of parallel sides.

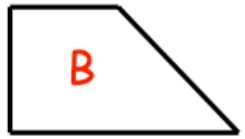


Write down the name of this quadrilateral

How many lines of symmetry does it have?

Draw a quadrilateral with two lines of symmetry

5. Here are two quadrilaterals



What is the name of Shape A?

What is the name of Shape B?

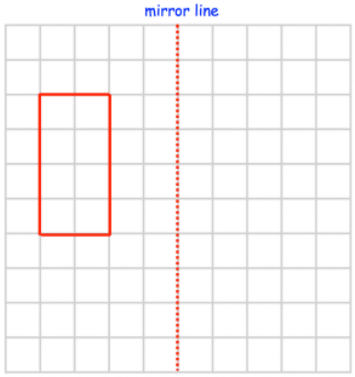
Draw a square with sides of length 4cm

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/quadrilaterals-answers/

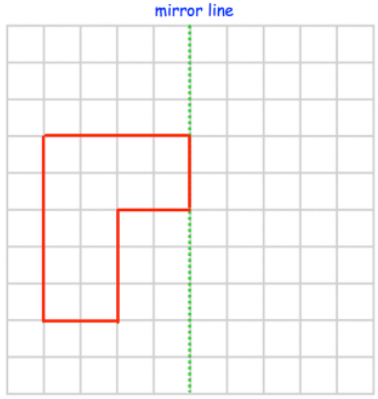
Geometry: Reflections

Learn	https://corbettmathsprimary.com/2018/07/31/reflections-video/

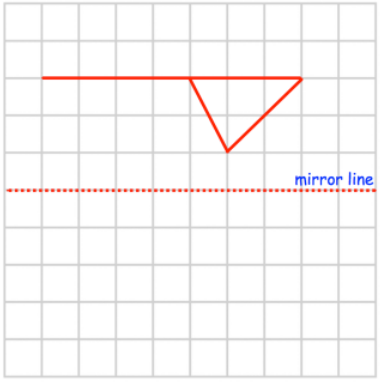
1. Reflect the shape in the mirror line



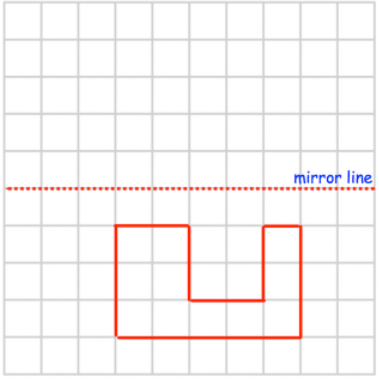
2. Reflect the shape in the mirror line



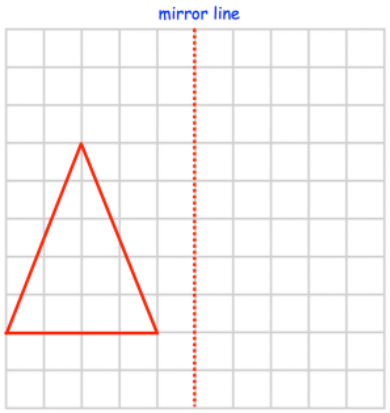
3. Reflect the shape in the mirror line



4. Reflect the shape in the mirror line

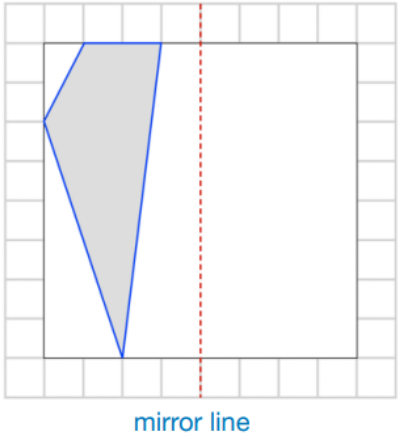


5. Reflect the shape in the mirror line

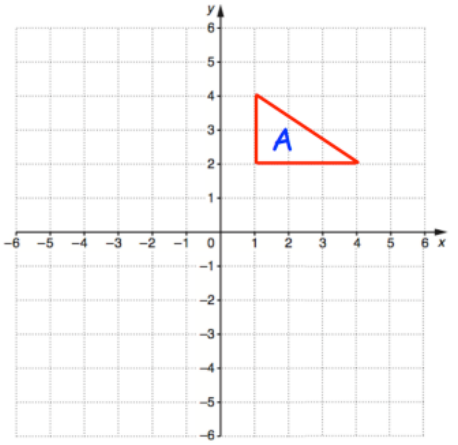


6. This diagram shows a shaded shape inside a border of squares

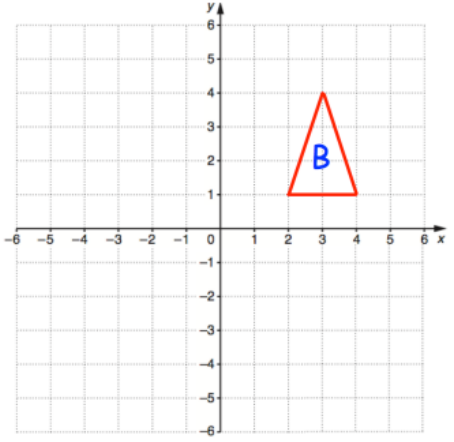
Draw the reflection of the shape in the mirror line



7. Reflect triangle A in the x-axis



8. Reflect triangle B in the y-axis



Check (Answers)	https://corbettmathsprimary.com/2018/07/31/reflections-answers/

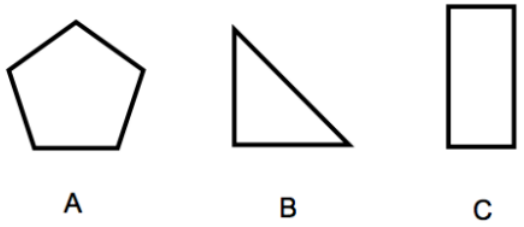
Geometry: 2D Shapes

Learn	https://corbettmathsprimary.com/2018/07/18/2d-shapes-video/

1. The names of five shapes are given.

pentagon triangle hexagon kite rectangle

Three of them are drawn below.



A B C

What is the name of shape A?

What is the name of shape B?

What is the name of shape C?

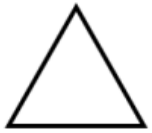
2. How many sides has a hexagon?

Draw an octagon

Draw a kite

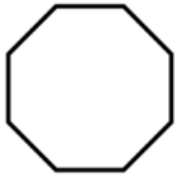
3. Below is a list of shapes and their names.

Pentagon



Octagon

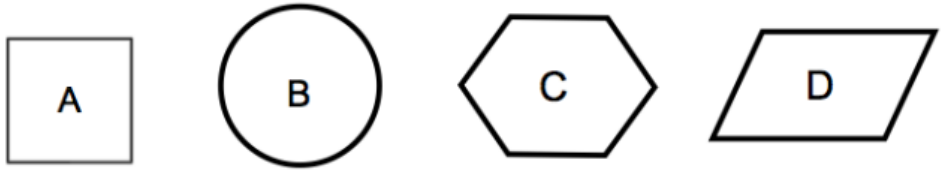
Heptagon



Triangle

Match each shape to the correct name.

4.



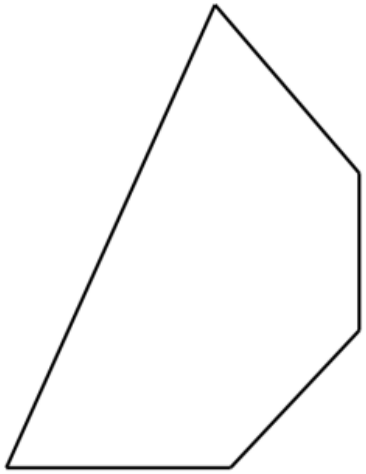
Which shape is a circle?

Which shape is a hexagon?

Which shape is a square?

Which shape is a parallelogram?

5.

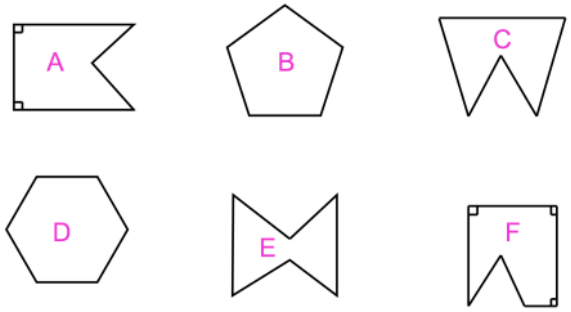


What is the name of the shape above?

Measure the length of the longest side

cm

6.



Circle the hexagon with exactly four acute angles

7. Here are six shapes

Write the letters of the shapes that are pentagons

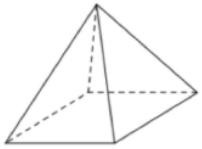
Check (Answers)	https://corbettmathsprimary.com/2018/07/18/2d-shapes-answers/

Geometry: 3D Shapes

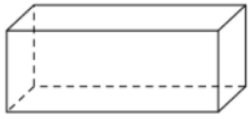
Learn https://corbettmathsprimary.com/2018/06/01/names-of-3d-shapes-video/

6. Here are some 3-D shapes

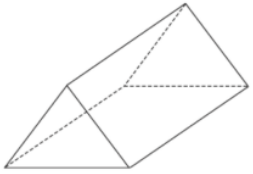
Tick each shape that has more vertices than faces



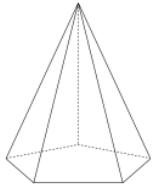
Square-based pyramid ☐



Cuboid ☐



Triangular prism ☐



Pentagonal pyramid ☐

7. Chloe has drawn a 3-D shape.

Her shape has 5 vertices.
It has 8 edges.
It has 5 faces.

What 3-D shape has Chloe drawn?

☐

8. Edward has drawn a 3-D shape.

His shape has 6 vertices.
It has 9 edges.
It has 5 faces.

What 3-D shape has Edward drawn?

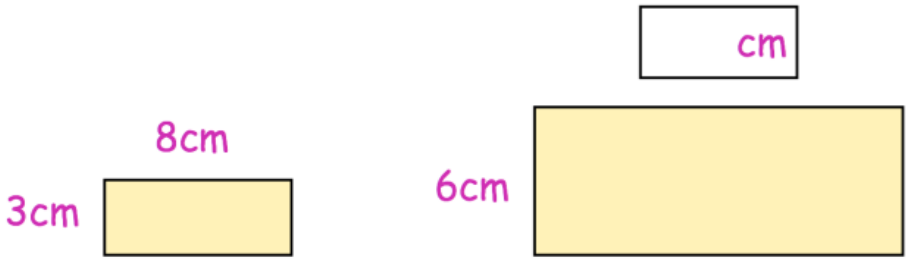
☐

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/3d-shapes-answers/

Geometry: Similar Shapes

Learn	https://corbettmathsprimary.com/2018/07/24/similar-shapes-video/

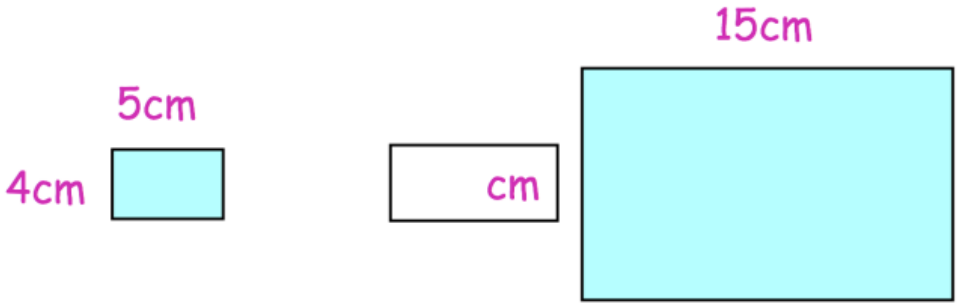
1. Here are two similar rectangles



Work out the missing length

cm

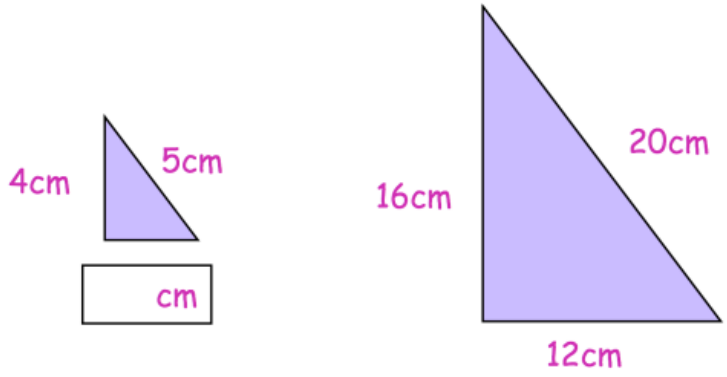
2. Here are two similar rectangles



Work out the missing length

cm

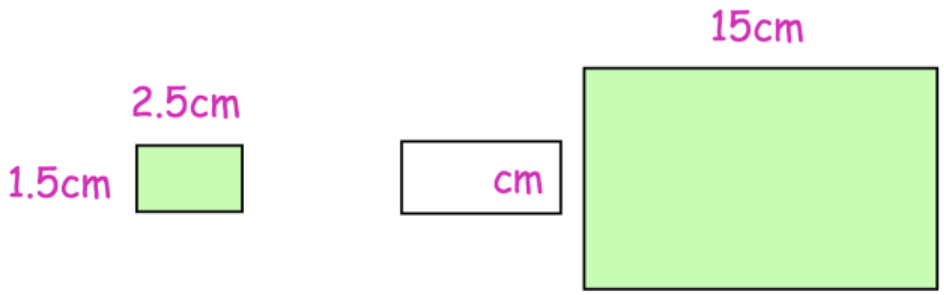
3. Here are two similar triangles



Work out the missing length

cm

4. Here are two similar rectangles



Work out the missing length

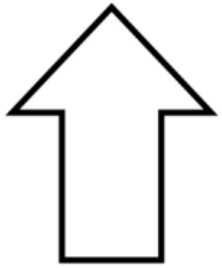
cm

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/similar-shapes-answers/

Geometry: Symmetry

Learn	https://corbettmathsprimary.com/2018/07/24/line-symmetry-video/

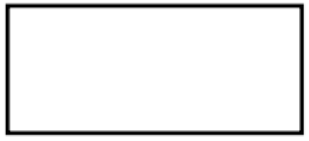
1. Here is an arrow.



Draw any lines of symmetry on the arrow

2.

On the rectangle, draw all the lines of symmetry

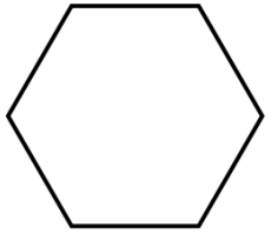


3. Here is a rhombus

Draw any lines of symmetry on the rhombus

---

4. The diagram below shows a regular hexagon.



How many lines of symmetry does the hexagon have?

5. Here are some road sign

For each road sign, write down the number of lines of symmetry

lines of symmetry

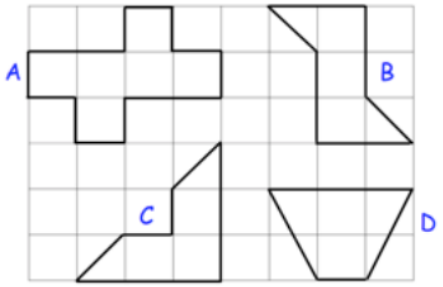
lines of symmetry

lines of symmetry

lines of symmetry

lines of symmetry

6.



Which two shapes have a line of symmetry?

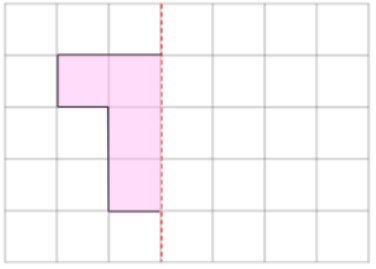
and

---

7. Part of a shape is shown on the grid.

The shape has one line of symmetry.

Complete the shape



Check (Answers)	https://corbettmathsprimary.com/2018/07/24/line-symmetry-answers/

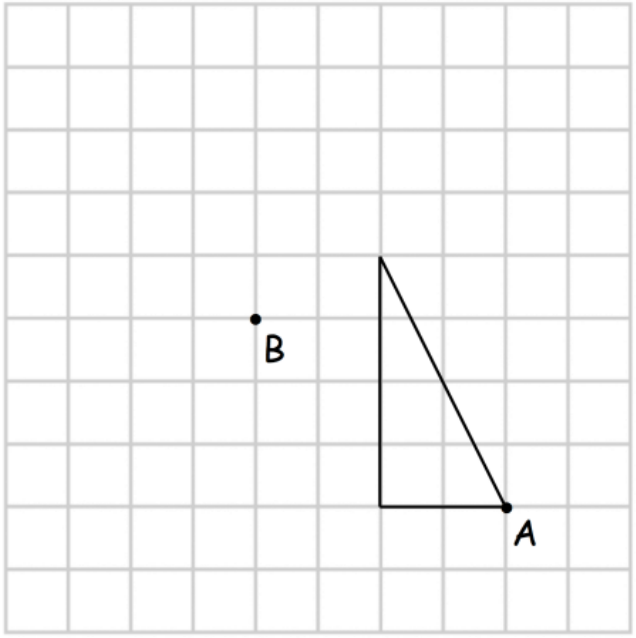
Geometry: Translations

Learn	https://corbettmathsprimary.com/2018/07/16/translations-video/

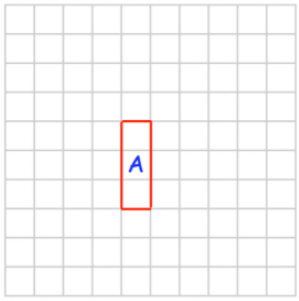
1. Here is a triangle on a grid.

   The triangle is translated so that point **A** moves to point **B**.

   Draw the triangle in its new position.



2. Here is a rectangle drawn on a grid.

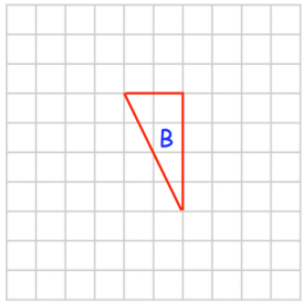


   The rectangle is translated **3 right** and **1 up**.

   Draw the rectangle in its new position.

---

3. Here is a triangle drawn on a grid.



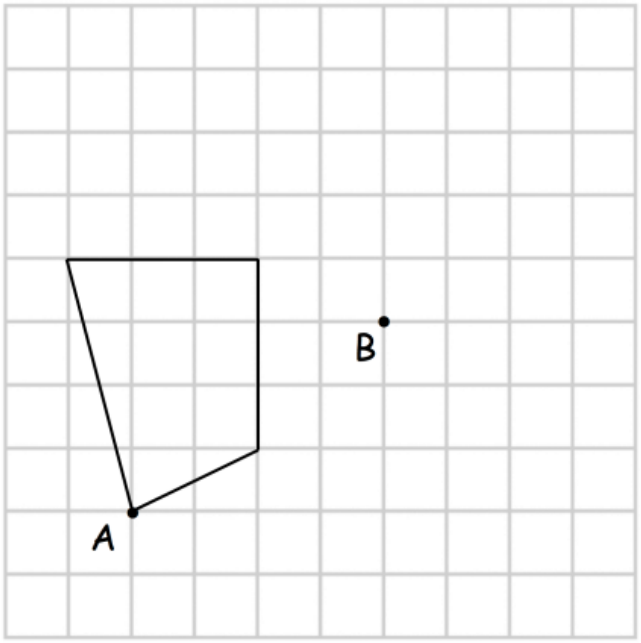
   The triangle is translated **2 left** and **3 down**.

   Draw the rectangle in its new position.

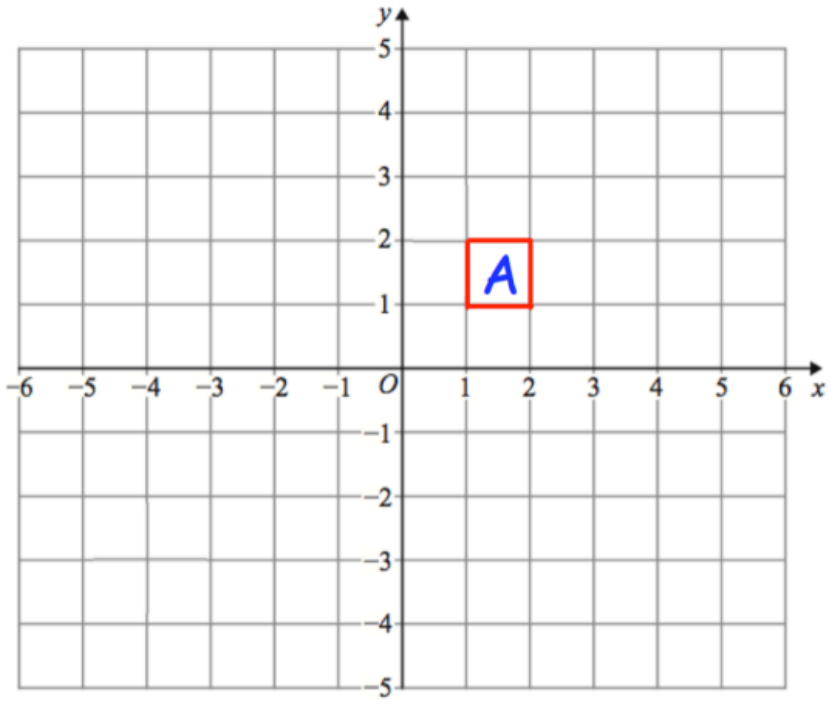
4. Here is a quadrilateral on a grid.

The quadrilateral is translated so that point **A** moves to point **B**.

Draw the quadrilateral in its new position.



5. Here is a square drawn on a coordinate grid.



The square is translated **4 left** and **1 up**.

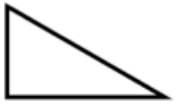
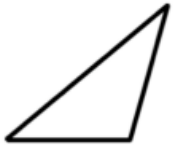
Draw the square in its new position.

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/translations-answers/

Geometry: Types of Triangles

Learn	https://corbettmathsprimary.com/2018/07/21/types-of-triangle-video/

1.

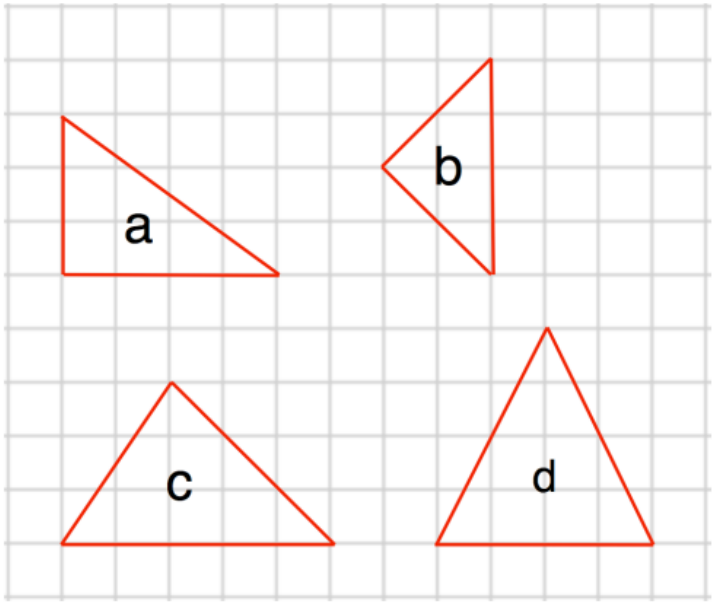
Triangle	Name
	Isosceles
	Right angled
	Equilateral
	Scalene

Match up each triangle to the correct name

2. Draw a right-angled triangle

3. Draw a scalene triangle

4. Here are four triangles on a grid.

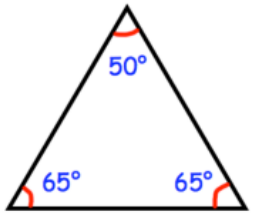


Write the letters of the **two** isosceles triangles

and

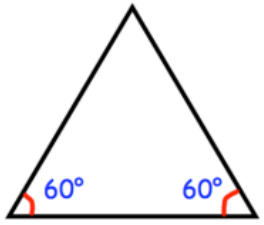
Write the letter of the right-angled triangle

5.



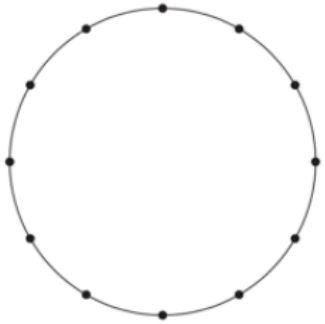
What type of triangle is shown?

6.



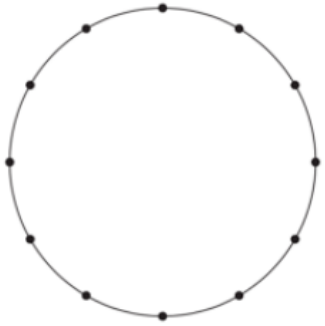
What type of triangle is shown?

7. Here is a circle with 12 equally spaced points



Join 3 points to make a right angled triangle

Here is a different circle with 12 equally spaced points



Join 3 points to make an equilateral triangle

8.

On the grid above, draw an equilateral triangle

---

9. Liam says

"I have drawn a triangle with one acute angle, one right angle and one obtuse angle."

Explain why Liam must be wrong

.....

.....

Check (Answers)	https://corbettmathsprimary.com/2018/07/21/types-of-triangle-answers/

Equations

Learn	https://corbettmathsprimary.com/2018/07/16/equations-video/

1. $w + 8 = 13$

Work out the value of **w**

w =

2. $n - 4 = 6$

Work out the value of **n**

n =

3. $3y = 24$

Work out the value of **y**

y =

4. $2c + 6 = 30$

Work out the value of **c**

c =

5. $4u - 5 = 27$

Work out the value of **u**

u =

6. $9m + 12 = 66$

Work out the value of **m**

m =

7. $5\mathbf{x} + 20 = 35$

Work out the value of **x**

x =

8. $16 - \mathbf{k} = 5$

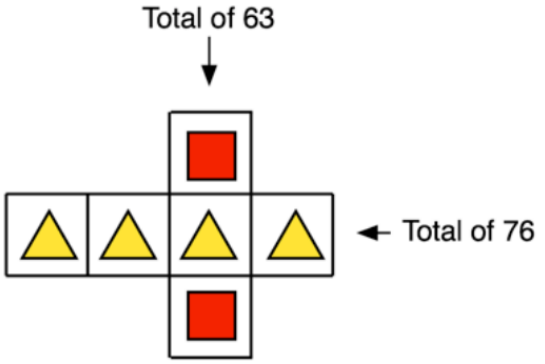
Work out the value of **k**

k =

9. $2\mathbf{u} - 9 = 6$

Work out the value of **u**

10. Each shape stands for a number



Work out the value of each shape

=

=

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/equations-answers/

Substitution

Learn	https://corbettmathsprimary.com/2018/07/19/substitution-video/

1. **n** = 7

What is **n** + 4?

2. **w** = 4

What is 3**w** – 2?

3. **c** = 9

What is 2**c** + 5?

4. **m** = 12

What is 9**m** + 15?

5. **x** = 25

What is 5**x** - 31?

6. **n** = 18

What is 20**n** + 70?

7. The cost of hiring a car is found using the rule

Hire cost = £50 plus an extra £30 for each day

How much will it cost to hire a car for 4 days?

£

How much will it cost to hire a car for one week?

£

8. The time it takes to cook a turkey is given by this rule

Time = 20 minutes for each kilogram plus an extra 70 minutes

How many minutes will it take to cook a 2kg turkey?

minutes

What is the mass of a turkey that takes 170 minutes to cook?

kilograms

Check (Answers)	https://corbettmathsprimary.com/2018/07/19/substitution-answers/

Inequality Signs

Learn	https://corbettmathsprimary.com/2018/07/20/inequality-signs-video/

1. < >

Write the correct symbol in each box to make the statements correct

14 ☐ 16

20 ☐ 19

58 ☐ 55

99 ☐ 101

151 ☐ 149

2 Write the correct sign > **or** < in each box

1,098 ☐ 1,100

6,821 ☐ 6,812

9,999 ☐ 10,000

3. Show if each statement is right (✓) or wrong (✖)

			Right or Wrong
81	<	83	☐
112	<	110	☐
148	>	149	☐

4. Write the correct sign > **or** < in each box

6.8 ☐ 6.7

2.4 ☐ 2.5

8.21 ☐ 8.9

1.23 ☐ 1.2

5. > = <

Write the correct symbol in each box to make the statements correct

12 × 12 ☐ 14 × 10

80 ÷ 20 ☐ 75 ÷ 25

60 × 4 ☐ 3 × 80

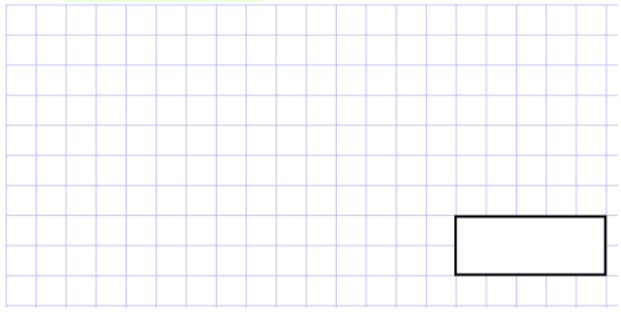
120 ÷ 5 ☐ 5^2

Check (Answers)	https://corbettmathsprimary.com/2018/07/20/inequality-signs-answers/

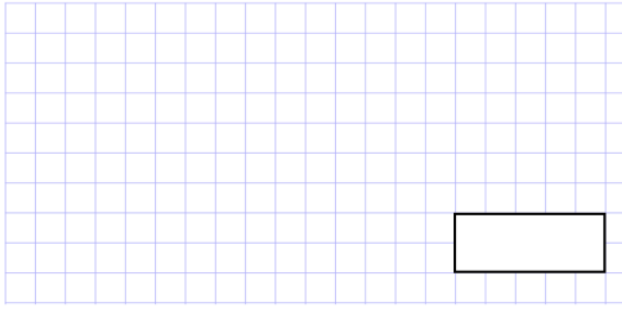
Order of Operations

Learn	https://corbettmathsprimary.com/2018/07/17/order-of-operations-video/

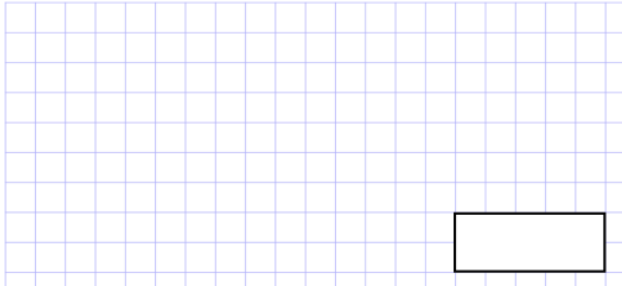
1. 7 + 2 x 4



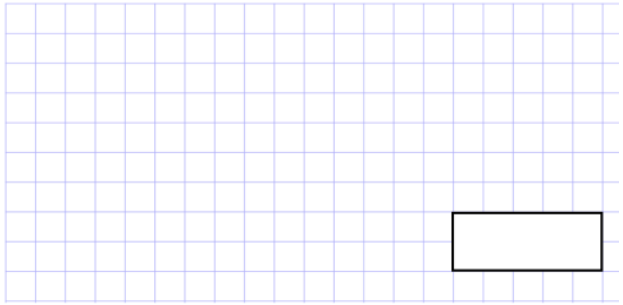
2. 18 + 4 ÷ 2



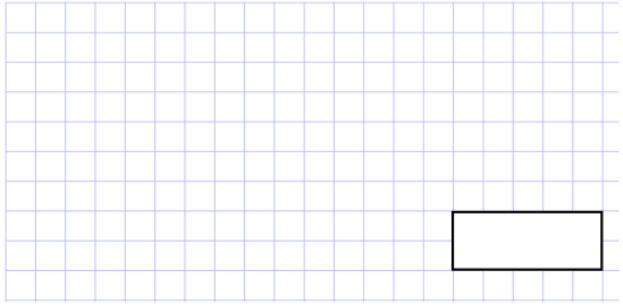
3. 20 - 5 x 3



4. 100 - 40 x 2

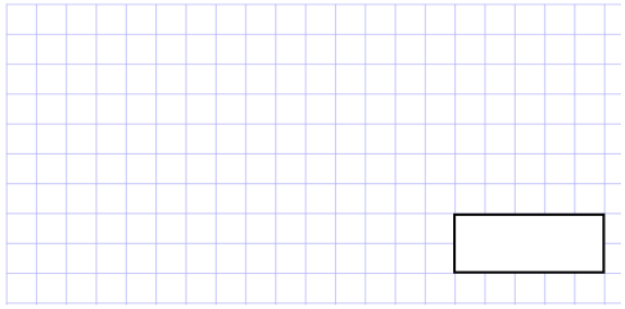


5. 20 - 5 + 6

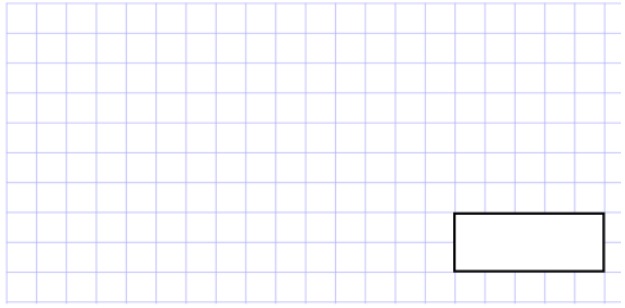


6. 15 x 10 ÷ 5

7. 35 - (9 + 3)



8. (7 + 19) ÷ 2



9. 10 + 5 + 3 x 3

10. $5^2 + 10$

11. Matthew says that $9 + 4 \times 2 = 26$

Is Matthew correct? Explain why

Yes / No

.....

.....

.....

12. Esme says that $36 + 8 \div 4 = 11$

Is Esme correct? Explain why

Yes / No

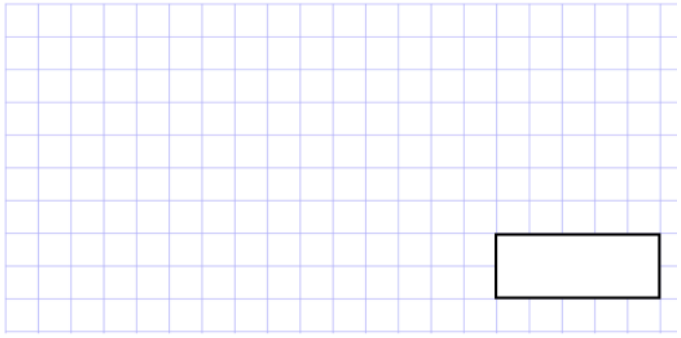
.....

.....

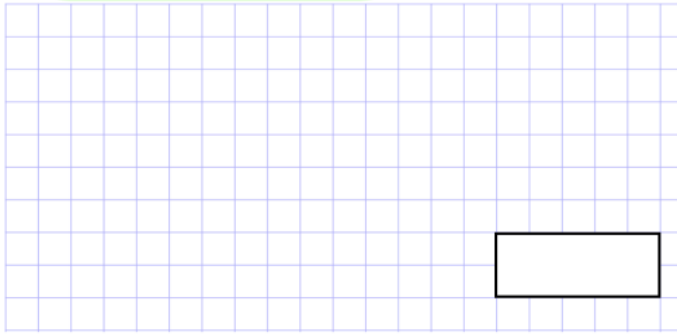
.....

13. $10^2 - 40 \div 4$

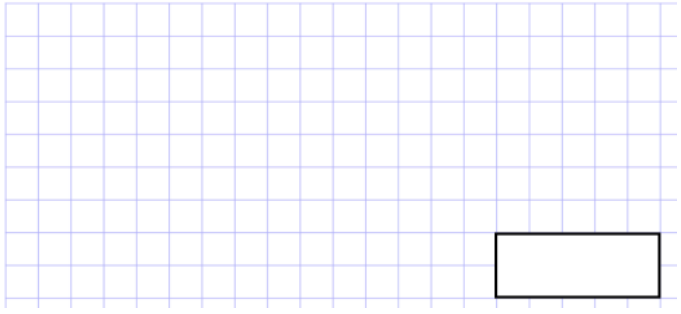
14. 6 x 2 + 3 x 4



15. 100 - 6 + 2 x 3



16. 15 x 2 - 9 ÷ 3



17. Put brackets into the calculation below to make it true

$$6 \times 7 + 3 - 8 = 52$$

---

18. Put brackets into the calculation below to make it true

$$4 + 3 \times 7 - 1 = 42$$

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/order-of-operations-answers/

Using Calculations

Learn	https://corbettmathsprimary.com/2018/07/22/using-calculations-video/

1. $47 \times 23 = 1{,}081$

Use this multiplication to complete the calculations below

1,081 ÷ 23

1,081 ÷ 47

47 x 230

2. $19 \times 345 = 6{,}555$

Use this multiplication to complete the calculations below

190 x 345

19 x 34.5

20 x 345

3. $42 \times 31 = 1{,}302$

Use this multiplication to complete the calculations below

42 x 62

21 x 31

42 x 32

4. $22{,}176 = 84 \times 264$

Use this multiplication to complete the calculations below

8.4 x 264

83 x 264

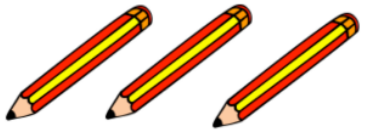
84 x 263

Check (Answers)	https://corbettmathsprimary.com/2018/07/22/using-calculations-answers/

Proportion and Ratio

Learn	**https://corbettmathsprimary.com/2018/07/31/proportion-video/**

1. Emily buys 3 pencils for 90p.



How much does **one pencil** cost?

How much would **six pencils** cost?

How much would **four pencils** cost?

2. Kelly is making scones.
Here is a list of ingredients to make 8 scones.

8 Scones

200g flour
30g caster sugar
50g butter
140ml milk
1 egg

Kelly wants to make 16 scones.

How much butter should Kelly use?

g

How much milk should Kelly use?

ml

3. Jack and Harry are waiters in a restaurant.

They are both paid the same amount of money for each hour they work.

Jack worked 4 hours and is paid £24

Harry worked 5 hours

How much money is Harry paid?

£

4. On a map, 1cm represents 4 miles.

The distance between two towns on the map is 8cm

Work out the distance between the two towns.

miles

5. On a map, 1cm represents 3 kilometres.

The distance between two towns is 12 kilometres

On the map, what is the distance between the two towns?

cm

6. Rebecca is making Chilli Con Carne.
Here is a list of ingredients to serve 6 people.

serves 6
1.2kg mince
420g tomatoes
3 chillies
600g kidney beans

Rebecca wants to make enough Chilli Con Carne to serve 2 people

How many grams of tomatoes does Rebecca need?

g

7. Ella takes part in an archery lesson

For every 4 arrows fired, only 3 hit the target.
Altogether Ella hit the target 24 times.

How many arrows did Ella fire?

8. On a map, 1cm represents 20 miles.

The distance between two towns is 130 miles.

On the map, what is the distance between the two towns?

cm

9. Oscar is making fish pie.
Here is a list of ingredients for 5 people.

serves 5
500g cod
400g haddock
600ml milk
120g butter
40g flour
1kg potatoes

Oscar wants to make enough fish pie for 2 people.

How much haddock should Oscar use?

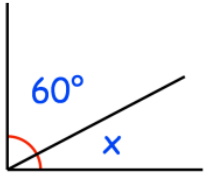
g

Check (Answers)	https://corbettmathsprimary.com/2018/07/31/proportion-answers/

Angles: Facts

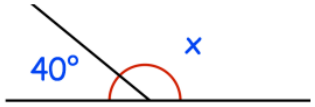
Learn	https://corbettmathsprimary.com/2018/07/19/angle-facts-video/

1. Calculate the size of angle x in this diagram



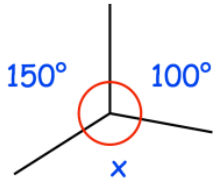
°

2. Calculate the size of angle x in this diagram



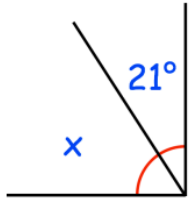
°

3. Calculate the size of angle x in this diagram



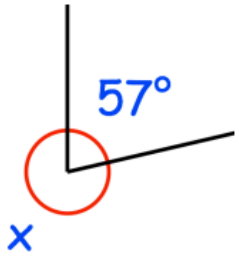
°

4. Calculate the size of angle x in this diagram



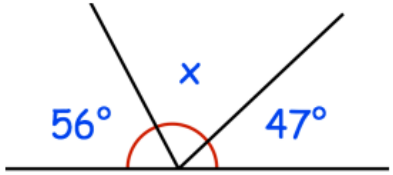
°

5. Calculate the size of angle x in this diagram



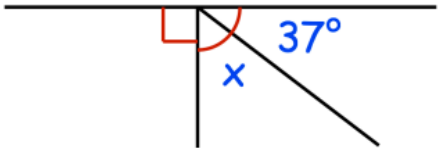
°

6. Calculate the size of angle x in this diagram



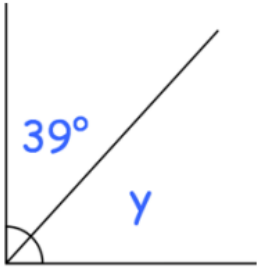
°

7. Calculate the size of angle x in this diagram



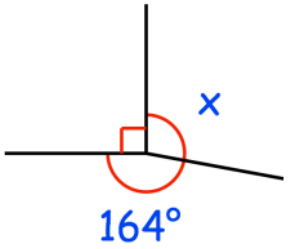
°

8. Calculate the size of angle x in this diagram



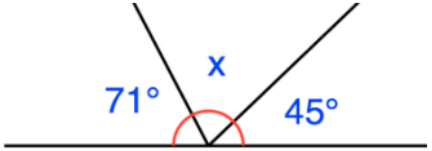
°

9. Calculate the size of angle x in this diagram



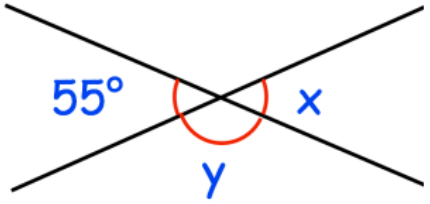
°

10. Calculate the size of angle x in this diagram



°

11. Here are two straight line



Find the sizes of angles x and y

x = °

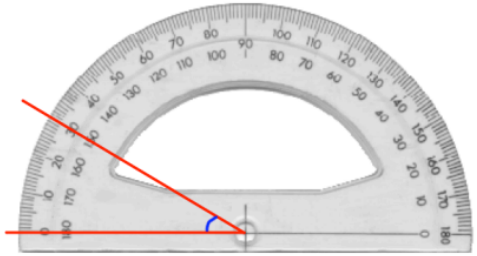
y = °

Check (Answers)	https://corbettmathsprimary.com/2018/07/19/angles-answers/

Angles: Measuring and Drawing

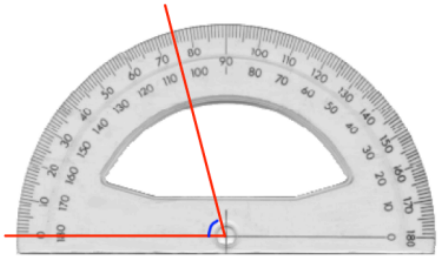
Learn	**https://corbettmathsprimary.com/2018/07/18/measuring-and-drawing-angles-videos/**

1. Write down the size of the angle being measured



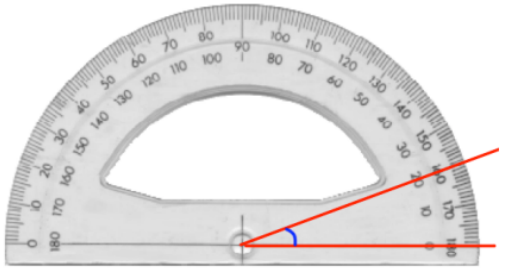
°

2. Write down the size of the angle being measured



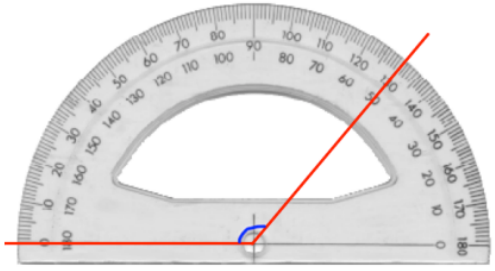
°

3. Write down the size of the angle being measured



°

4. Write down the size of the angle being measured



°

5. Draw a 40° angle

6. Draw an 80° angle

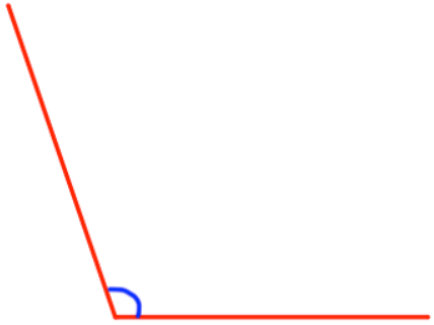
7. Draw a 110° angle

8. Draw a 160° angle

9. Measure the size of this angle

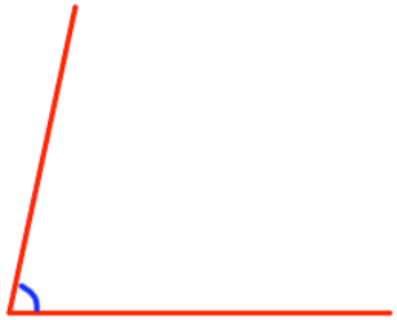
°

10. Measure the size of this angle



°

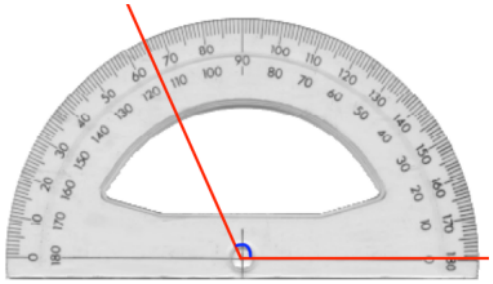
11. Measure the size of this angle



°

12. Lauren has been asked to measure this angle.

Her answer is 65°



Explain her mistake

.....

.....

Check (Answers) https://corbettmathsprimary.com/2018/07/18/measuring-and-drawing-angles-answers/

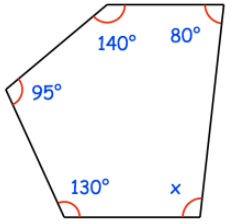
Angles: Polygons

Learn https://corbettmathsprimary.com/2018/07/16/angles-in-polygons-video/

1. Complete the table below

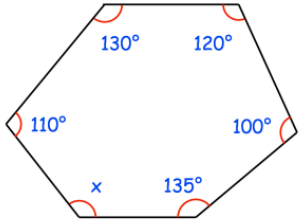
Shape	Angles add up to
Triangle	180°
Quadrilateral	360°
Pentagon	
Hexagon	

2. Calculate the size of angle x in this diagram



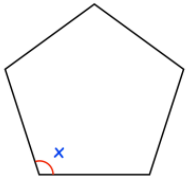
°

3. Calculate the size of angle x in this diagram



°

4. Here a regular pentagon



Find the size of each angle

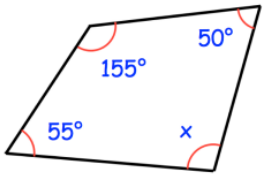
°

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/angles-in-polygons-answers/

Angles: Quadrilaterals

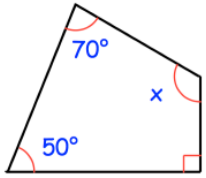
Learn	https://corbettmathsprimary.com/2018/07/17/angles-in-quadrilaterals-video/

1. Calculate the size of angle x in this diagram



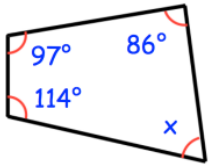
°

2. Calculate the size of angle x in this diagram



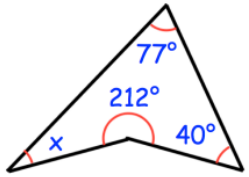
°

3. Calculate the size of angle x in this diagram



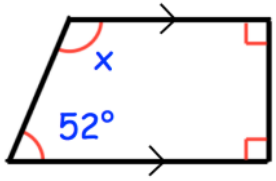
°

4. Calculate the size of angle x in this diagram



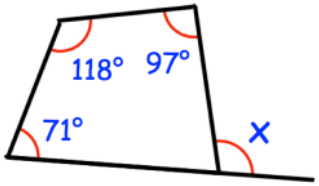
°

5. Calculate the size of angle x in this diagram



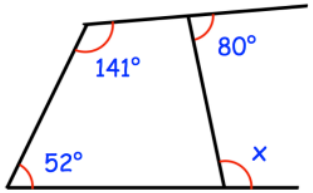
°

6. Calculate the size of angle x in this diagram



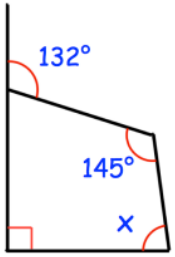
°

7. Calculate the size of angle x in this diagram



°

8. Calculate the size of angle x in this diagram



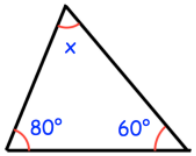
°

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/angles-in-quadrilaterals-answers/

Angles: Triangles

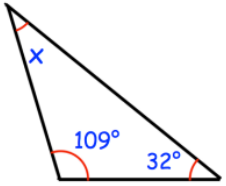
Learn	https://corbettmathsprimary.com/2018/05/30/angles-in-a-triangle-video/

1. Calculate the size of angle x in this diagram



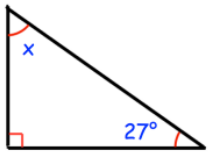
°

2. Calculate the size of angle x in this diagram



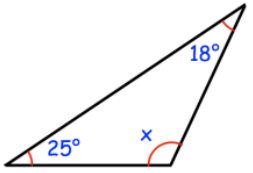
°

3. Calculate the size of angle x in this diagram



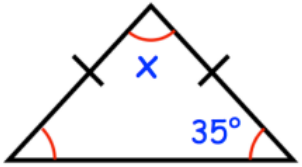
°

4. Calculate the size of angle x in this diagram



°

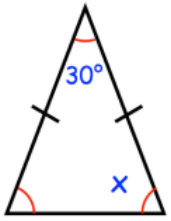
5. Here is an isosceles triangle.



Calculate the size of angle x in this diagram

°

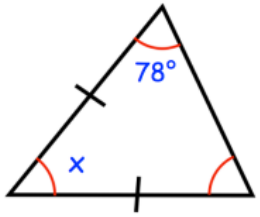
6. Here is an isosceles triangle



Calculate the size of angle x in this diagram

°

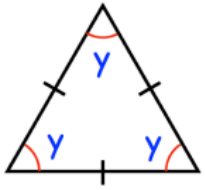
7. Here is an isosceles triangle.



Calculate the size of angle x in this diagram

°

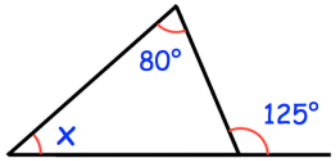
8. Here is an equilateral triangle.



Find the size of each angle, y.

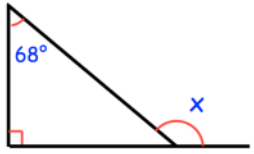
°

9. Find the size of each angle x in the diagram below



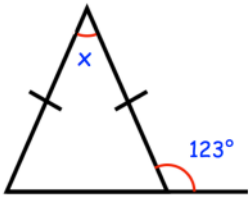
°

10. Find the size of each angle x in the diagram below



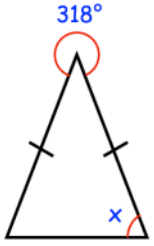
°

11. Find the size of each angle x in the diagram below



°

12. Find the size of each angle x in the diagram below



°

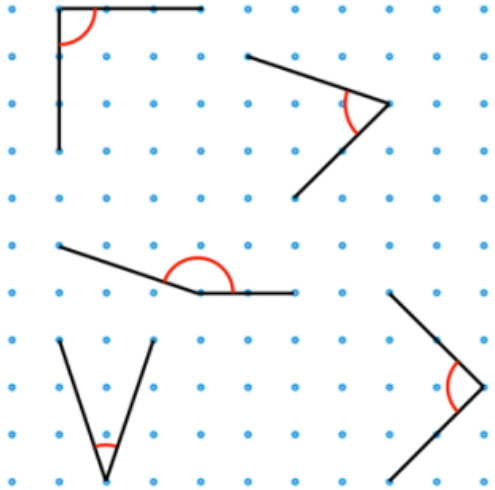
Check (Answers)	https://corbettmathsprimary.com/2018/07/15/angles-in-a-triangle-answers/

Angles: Types

Learn	https://corbettmathsprimary.com/2018/05/30/types-of-angle-video/

1. Write down if each angle below is **acute**, **right**, **obtuse** or **reflex**

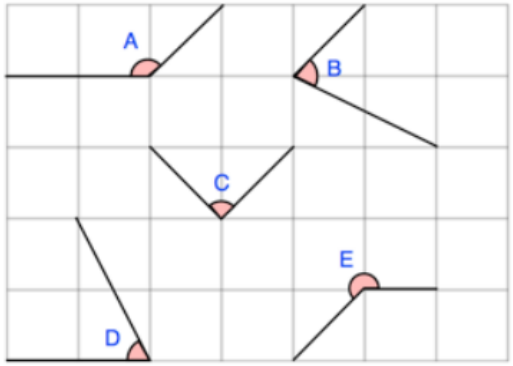
2.



Tick the two acute angles

Circle the two right angles

3.



Write down the letters of the angles that are acute

and

Write down the letter of the angle that is obtuse

Write down the letter of the angle that is a right angle

4.

What time is shown on the clock?

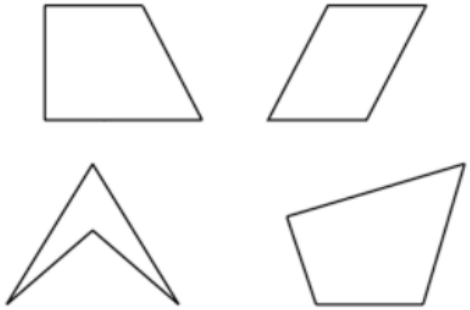
What type of angle marked between the hour and minute hand?

5. Ava measures 5 angles.

180°	Reflex angle
79°	Acute angle
90°	Straight line
198°	Right angle
94°	Obtuse angle

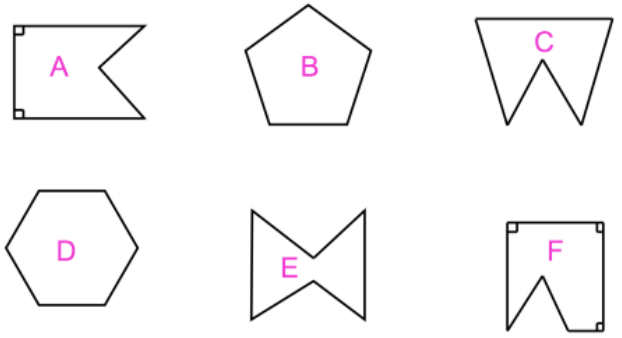
Match each measurement to the correct type of angle

6. Here are four quadrilaterals



Circle the quadrilateral with exactly three acute angles

7.



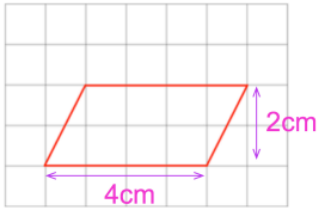
Circle the hexagon with exactly four acute angles

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/types-of-angle-answers/

Area: Parallelograms

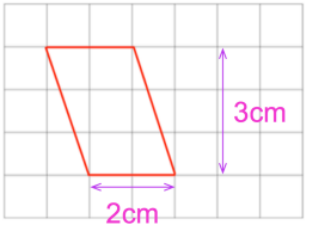
Learn	https://corbettmathsprimary.com/2018/05/30/area-of-a-parallelogram/

1. Work out the area of this parallelogram



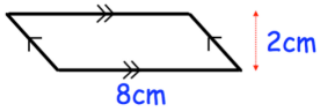
cm²

2. Work out the area of this parallelogram



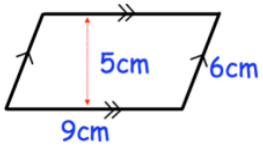
cm²

3. Work out the area of this parallelogram



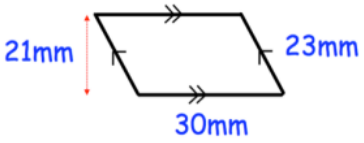
cm²

4. Work out the area of this parallelogram



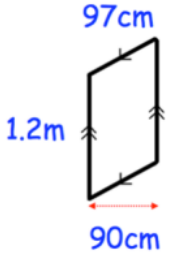
cm²

5. Work out the area of this parallelogram



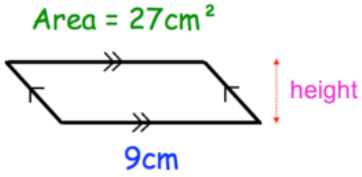
mm²

6. Work out the area of this parallelogram



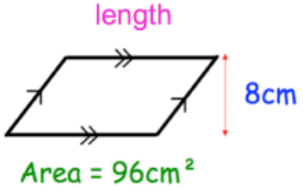
cm²

7. Work out the height of this parallelogram



cm

8. Work out the length of this parallelogram



cm

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/area-of-a-parallelogram-answers/

Area: Rectangles

Learn	https://corbettmathsprimary.com/2018/05/30/area-of-a-rectangle-video/

1. Work out the area of this square

cm²

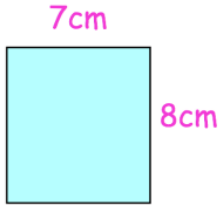
2. Work out the area of this rectangle

cm²

3. Work out the area of this rectangle

cm²

4. Work out the area of this rectangle

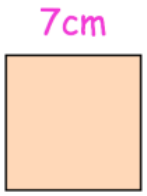


cm²

5. Work out the area of this rectangle

m²

6. Work out the area of this square



cm²

7. Work out the area of this rectangle

cm²

8. Work out the area of this square

cm²

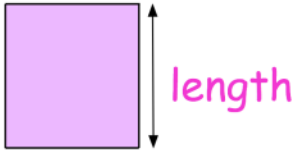
9.

The area of this rectangle is 27cm²

Work out the length of the rectangle

cm

10.



The area of this square is 36cm²

Work out the length of each side of the square

cm

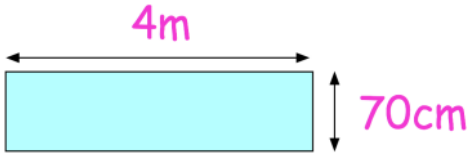
11.

The area of this rectangle is 300cm²

Work out the width of the rectangle

cm

12.



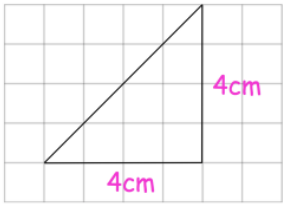
Work out the area of this rectangle.
Include units for your answer.

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/area-of-a-rectangle-answers/

Area: Triangles

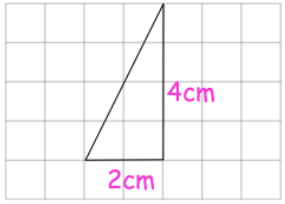
Learn	http://corbettmathsprimary.com/2018/07/15/area-of-a-triangle-video/

1. Work out the area of this triangle



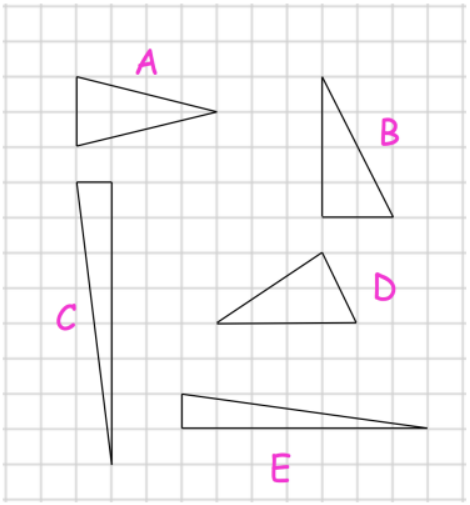
cm²

2. Work out the area of this triangle



cm²

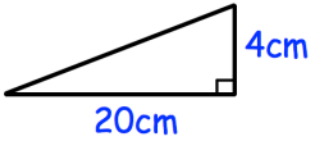
3. Here are five triangles on a square grid.



Four of the triangles have the same area

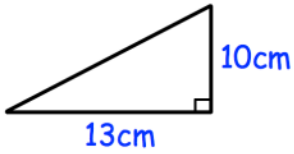
Which triangle has a different area?

4. Work out the area of this triangle



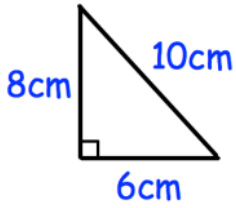
cm²

5. Work out the area of this triangle



cm²

6. Work out the area of this triangle



cm²

7. Work out the area of this triangle

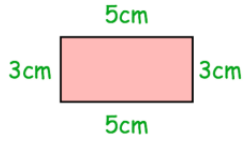
cm²

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/area-of-a-triangle-answers/

Perimeter

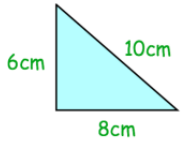
Learn https://corbettmathsprimary.com/2018/07/17/perimeter-video/

1. Work out the perimeter of this rectangle



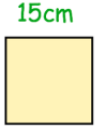
cm

2. Work out the perimeter of this triangle



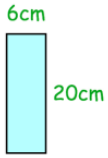
cm

3. Work out the perimeter of this square



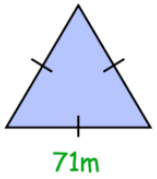
cm

4. Work out the perimeter of this rectangle



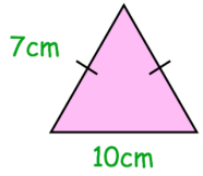
cm

5. Work out the perimeter of this equilateral triangle



m

6. Work out the perimeter of this isosceles triangle



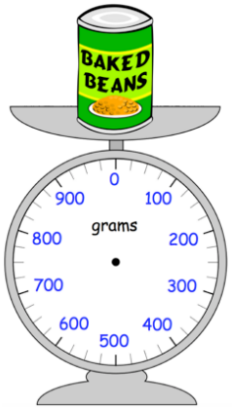
cm

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/perimeter-answers/

Measurement: Units – Capacity, Length, Mass, Volume

Learn	**Capacity -** https://corbettmathsprimary.com/2018/07/31/units-capacity-video/ **Length –** https://corbettmathsprimary.com/2018/07/31/units-length-video/ **Mass –** https://corbettmathsprimary.com/2018/07/31/units-mass-video/ **Volume –** https://corbettmathsprimary.com/2018/07/20/volume-of-a-cuboid-video/

1. A can of beans has a mass of 450 grams



Draw an arrow on the scale to show 450g

Olivia has two cans of beans.

What is the mass of two cans of beans?

2. Two apples have the same mass.

Together they have a mass of 320g

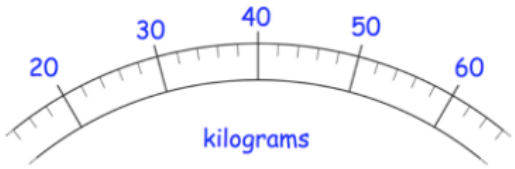
What is the mass of one apple?

3. Draw a 5 centimetre line.

4. Chloe weighs 58 kilograms.

David weighs 26 kilograms less than Chloe.

Draw an arrow on the scale to show how much David weighs.



5. Change 4 metres into centimetres

cm

6. Change 300 centimetres into metres

m

7. Change 80 millimetres into centimetres

cm

8. Change 9 kilometres into metres

m

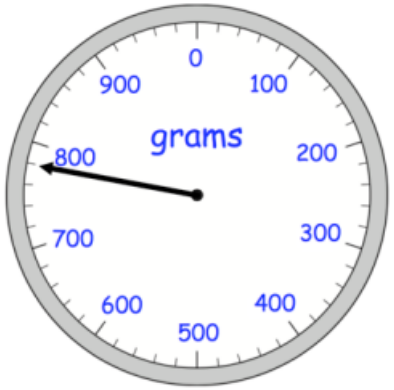
9. Change 6 litres into millilitres

ml

10. Change 20 kilograms into grams

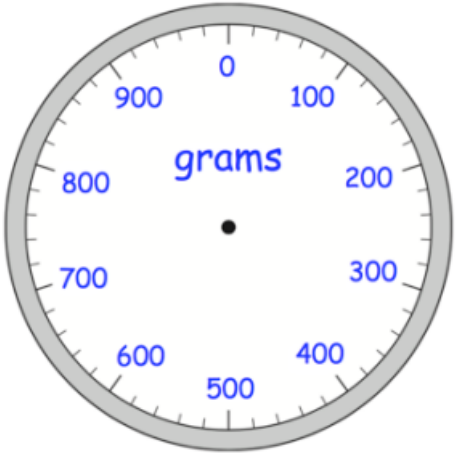
g

11. Frank places some oranges on a scale.

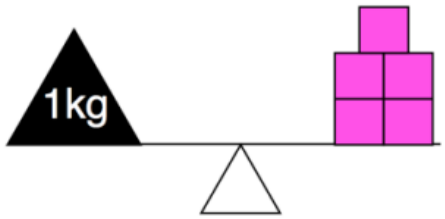


He takes away one orange.
The mass goes down by 130 grams.

Draw the pointer in its new position.



12. 5 identical pink blocks have a mass of 1 kilogram.



Find the mass of one pink block

---

13. Ruth runs 800 metres on Monday, Tuesday, Wednesday, Thursday and Friday.

How far has she run in total?
Give your answer in kilometres

km

14. Change 2.8 metres into centimetres

cm

15. Change 55 centimetres into metres

m

16. Change 780 metres into kilometres

km

17. Change 0.04 kilometres into metres

m

18. Change 750 millilitres into litres

L

19. Change 5.2 kilograms into grams

g

20. Change 13.5 litres into millilitres

ml

21. Change 16 grams into kilograms

kg

22. Matthew is 1.74 metres tall.

Write this height in centimetres

cm

---

23. James and Jack buy 3 litres of orange juice.

Each boy drinks 650 millilitres of orange juice.

How much orange juice is left?

24. Rebecca has two dogs, Lucky and Pepe

Lucky has a mass of 7.2 kilograms

Pepe is 900 grams lighter than Lucky

How heavy is Pepe?

---

25. Michael and Rosie each have a bottle of water.

Michael's bottle contains $1\frac{3}{4}$ litres

Rosie's bottle contains 2.2 litres.

How many more **millilitres** of water does Rosie have than Michael?

ml

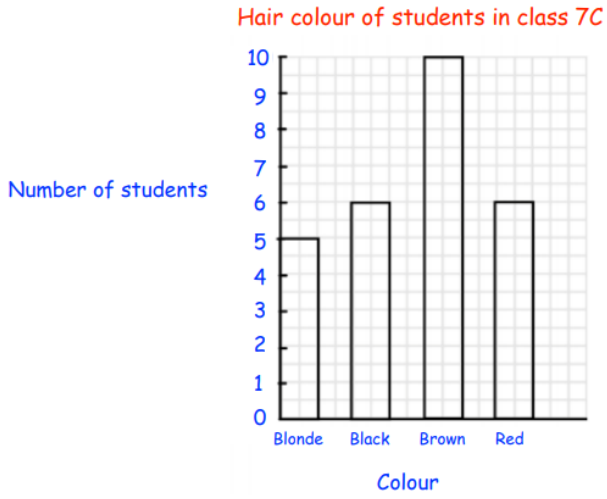
Check (Answers)	https://corbettmathsprimary.com/2018/07/31/units-answers/

Statistics: Bar Charts

Learn	https://corbettmathsprimary.com/2018/06/01/bar-charts-video/

1. Chloe asks all the students in class 7C what colour hair they have.

This graph shows the results

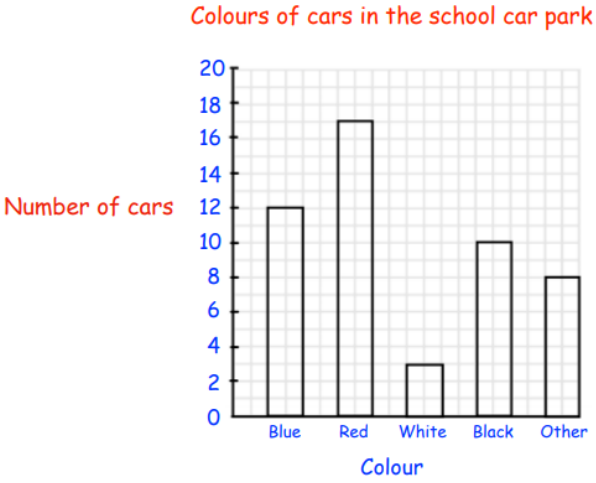


How many students have blonde hair?

Altogether, how many students are there in class 7C?

2. Denzil records all the colours of the cars in his school's car park.

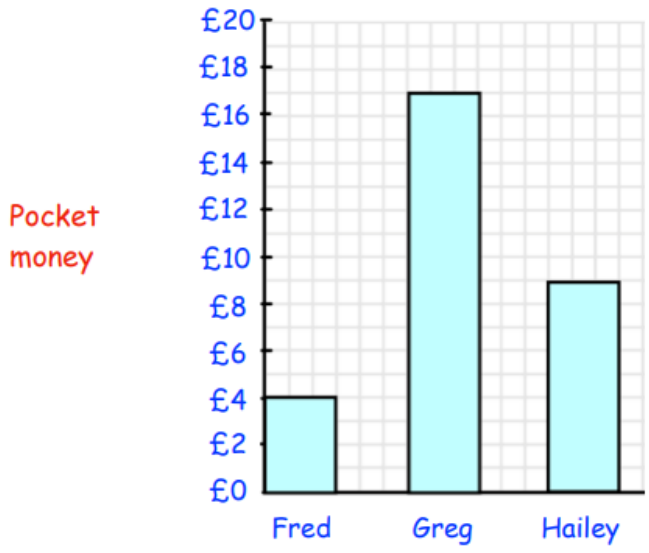
Here are the results.



What is the most common colour of car?

How many more **blue cars** than **white cars** are there?

3. The graph shows how much pocket money three friends are given.



How much pocket money does Hailey get?

£

How much more pocket money does Greg get than Fred?

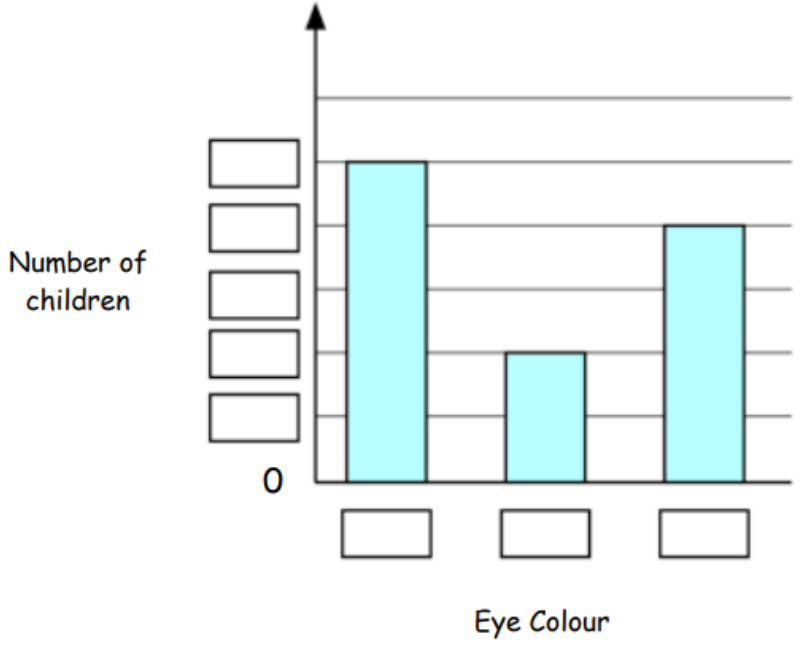
£

4. Sarah collected information about her friends' eye colour.

Here are her results.

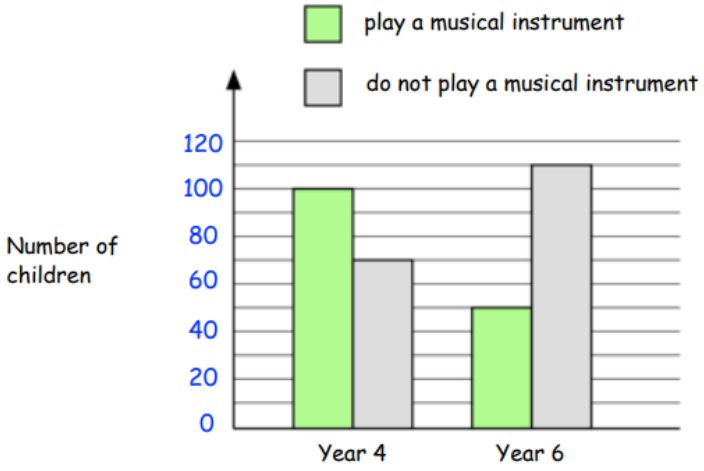
Eye Colour	Number of Children
Brown	8
Blue	10
Green	4

Fill in **all** the missing labels



5. Duncan asks the children in Year 4 and Year 6 if they play a musical instrument.

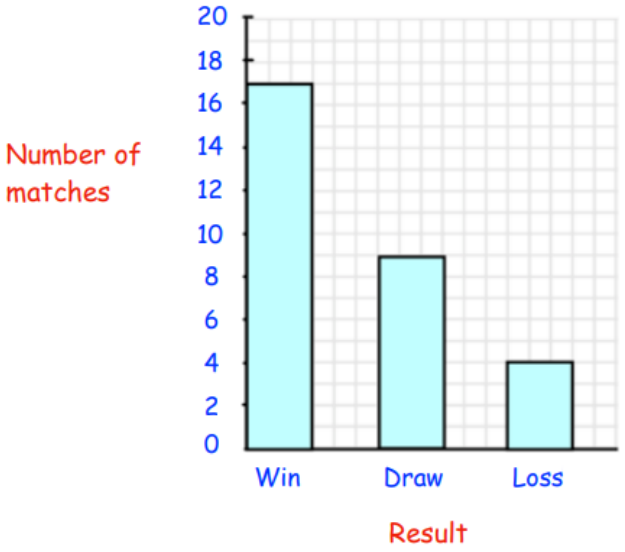
This graph shows the results



Altogether, how many children **play** a musical instrument

How many **more** children are there in Year 4 than Year 6?

6. The graph shows a football team's results



A win is worth 3 points.
A draw is worth 1 point.
A loss is worth 0 points.

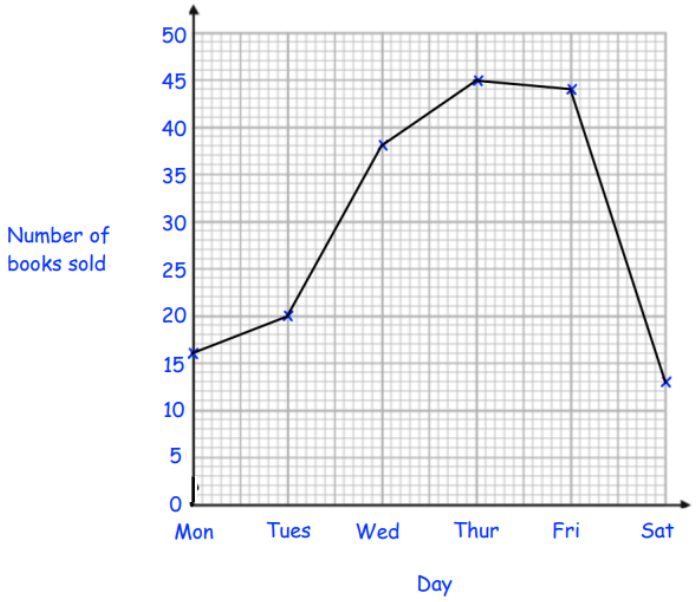
How many points does the team score in total?

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/bar-chart-answers/

Statistics: Line Graphs

Learn	https://corbettmathsprimary.com/2018/07/19/line-graphs-video/

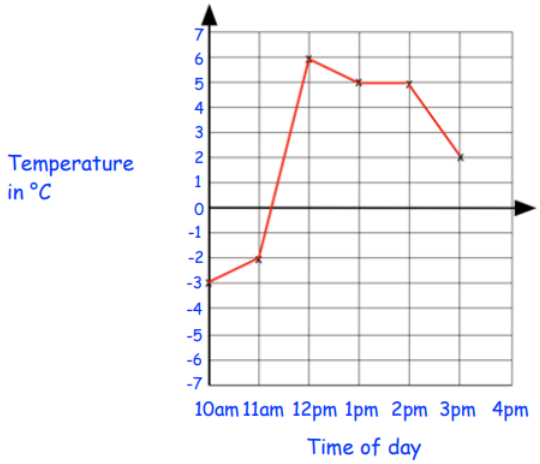
1. The graphs shows how many books were sold in a shop.



On which day did the shop sell the most books?

How many books were sold on Tuesday?

2. This graph shows the temperature in °C on a cold day.



How many degrees **warmer** was it at 2pm than 11am?

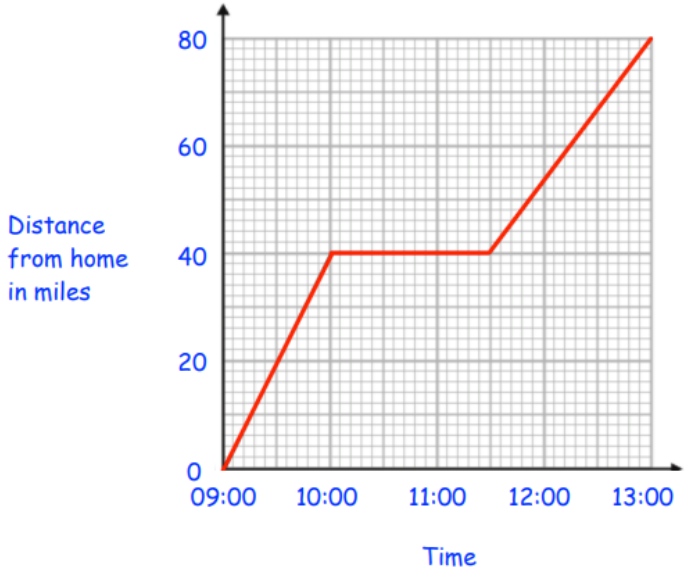
°C

At 4pm the temperature was 3 degrees lower than at 3pm

What was the temperature at 4pm?

°C

3. Natalie travels from her home to London.



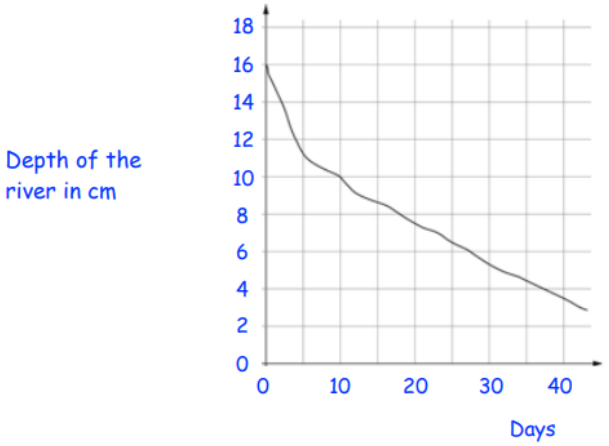
She stopped and visited her friend Edward on the way.

How far was Natalie from home when she visited Edward?

miles

How long did Natalie stop for?

4. This graph shows the depth of a river during the summer.



What was the depth of the river after 10 days?

cm

How long did it take the river to go from a depth of 16cm to 11cm?

days

Check (Answers)	https://corbettmathsprimary.com/2018/07/19/line-graphs-answers/

Statistics: Listing Outcomes

Learn	https://corbettmathsprimary.com/2018/07/20/listing-outcomes-video/

1. Molly visits a restaurant with her friends.
This is a menu.

Starters	Mains
Soup	Chicken
Prawn Cocktail	Beef
Melon	Pizza

Molly chooses one starter and one main.

List all the possible combinations.

.....

.....

.....

.....

2. Orla has four types of vegetable.

Peas
Carrots
Turnip
Spinach

Orla is going to choose 2 different types of vegetable.

List all the possible combinations of vegetable she can choose

.....

.....

.....

.....

Check (Answers)	https://corbettmathsprimary.com/2018/07/20/listing-outcomes-answers/

Statistics: The Mean

Learn	https://corbettmathsprimary.com/2018/07/17/the-mean-video/

1. Here are the heights of five flowers

40cm, 15cm, 35cm, 20cm, 30cm

What is the mean height of the flowers?

cm

---

2. A basketball team plays 4 matches.

The number of points they score in each match is

62 55 40 59

Work out the mean number of points scored

3. Six students try a puzzle.

The times taken to complete the puzzle are below

Student	Time Taken
Anna	16 seconds
Beth	12 seconds
Charlie	19 seconds
Dylan	9 seconds
Emma	10 seconds
Freddie	18 seconds

Work out the mean time taken to complete the puzzle

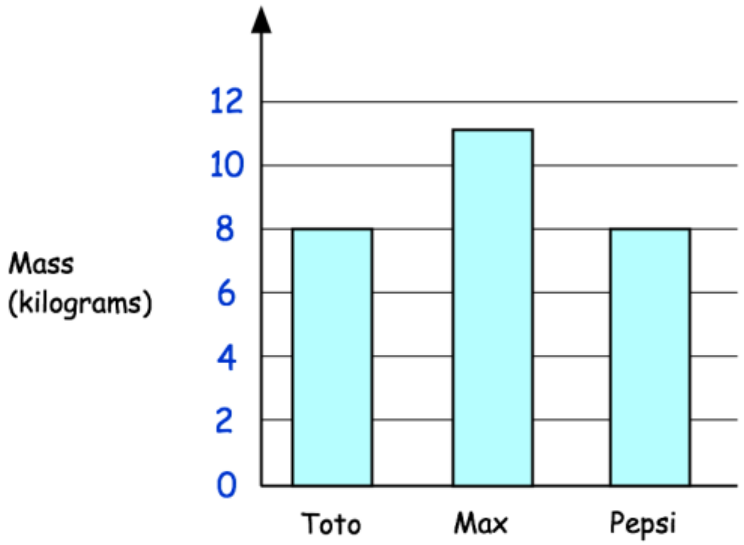
seconds

4. Here are the ages of seven teachers

Teacher	Age
Mr Green	38
Miss Jones	25
Miss Smith	48
Mrs Kelly	50
Mr Thomas	57
Mrs Brown	23
Mr Edwards	32

What is the mean age of the teachers?

5. The chart shows the masses of three puppies



Work out the mean mass of the puppies

kg

7. The time taken for 4 friends to complete a crossword are

12 minutes

600 seconds

half an hour

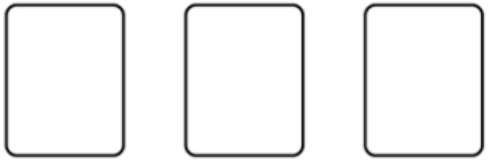
25 minutes

Work out the mean time taken to complete the crossword

6. Three numbers have a mean of 10.

All three numbers are different.

Write 3 possible numbers on the cards

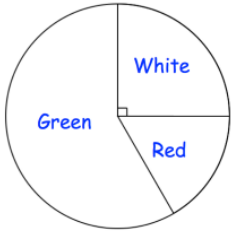


Check (Answers)	https://corbettmathsprimary.com/2018/07/17/the-mean-answers/

Statistics: Pie Charts – Drawing and Reading

Learn	Drawing - https://corbettmathsprimary.com/2018/07/31/drawing-pie-charts/ Reading -

1. This pie chart shows the colour of sweets in a bag.



What is the most common colour of sweet?

What is the least common colour of sweet?

What fraction of the sweets are white?

2. The children in Year 7 study one language.

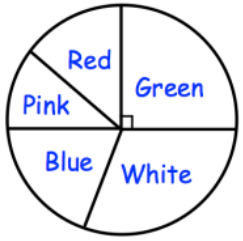
They study either French, German or Spanish

What is the least popular language?

There are 120 children in Year 7.

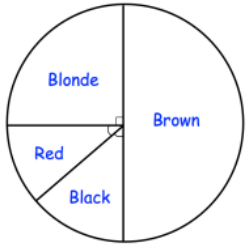
How many children study French?

3. The pie chart shows the colours of 32 beads.



How many beads are green?

4. The pie chart shows information about the hair colour in a class.

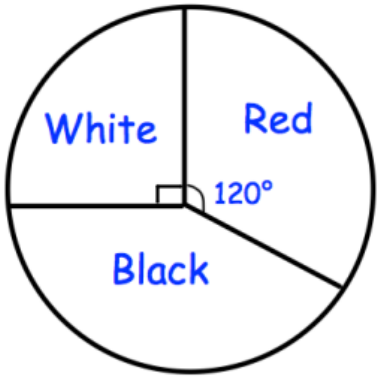


There are 24 children in the class.

How many children have blonde hair or brown hair?

5. A bag contains red, white and black counters.

The pie chart shows information about the counters in the bag.

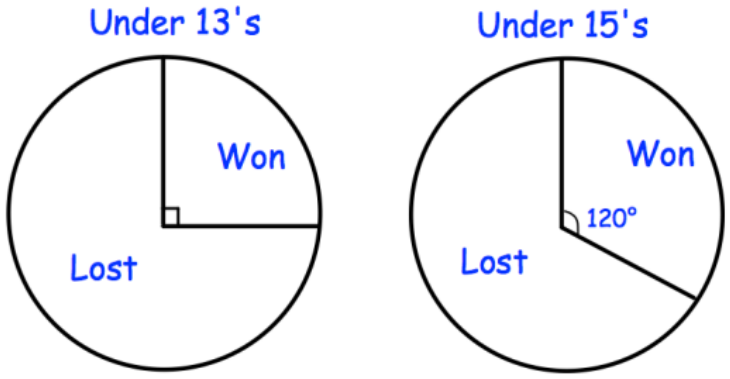


There are 48 counters in the bag.

How many counters are black?

6. A school has two rugby teams, Under 13's and Under 15's.

The pie charts show information about the number of matches each team won and lost, last season.



The Under 13's played 28 matches.
The Under 15's played 18 matches.

Tick the statements that are true

The Under 15's won **a third** of their matches ☐

The Under 13's lost **a quarter** of their matches ☐

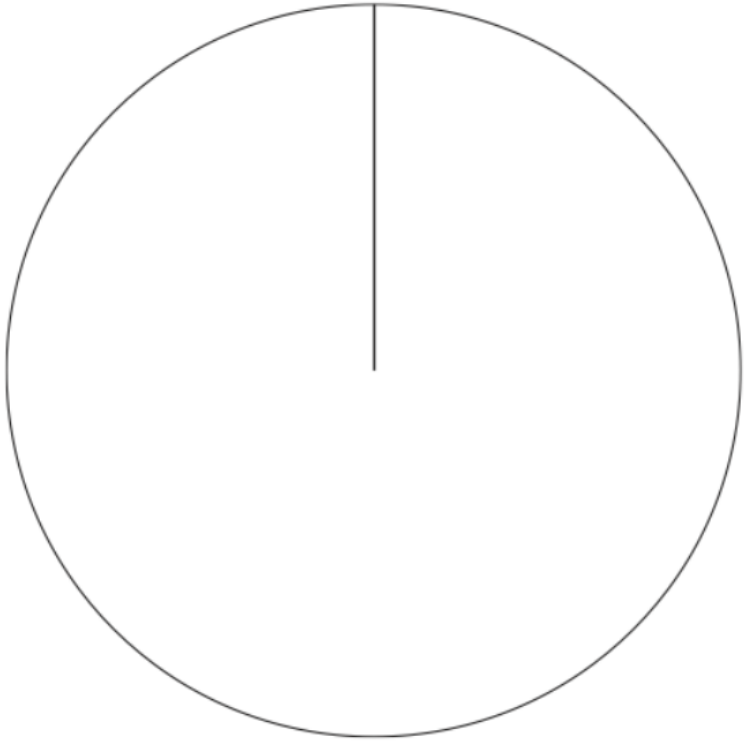
The Under 13's won 7 matches ☐

The Under 15's won more matches that the Under 13's ☐

7. The table gives information about the holiday destination of 18 students in a class.

Country	Frequency	
France	3	
Wales	4	
England	11	

Draw an accurate pie chart to show this information

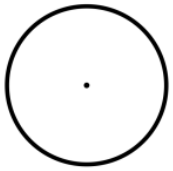


Check (Answers)	https://corbettmathsprimary.com/2018/07/31/pie-charts-answers/

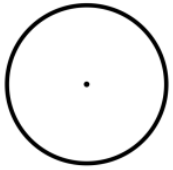
Circles: Parts

Learn	**https://corbettmathsprimary.com/2018/06/01/parts-of-the-circle-video/**

1. Draw a radius on the circle



2. Draw a diameter on the circle



3. A coin has a radius of 14mm

What is the **diameter** of the coin?

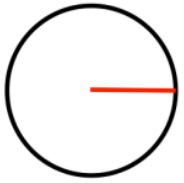
mm

4. A hula hoop has a diameter of 54cm

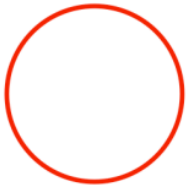
What is the **radius** of the coin?

cm

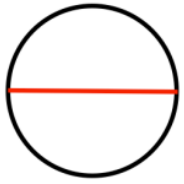
5. Match each diagram to its label



Circumference



Diameter



Radius

6. A badge has a diameter of 1.4cm

What is the **radius** of the badge?
Give your answer in millimetres

mm

---

7. A pizza has a diameter of 9 inches

What is the **radius** of the pizza?

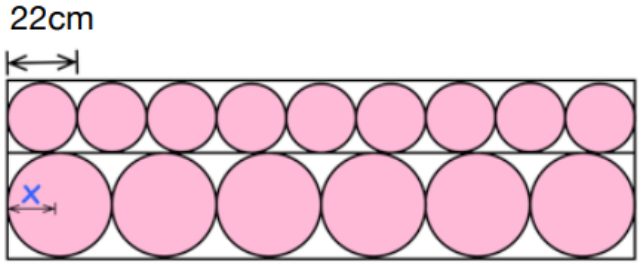
inches

Sven measures the circumference, diameter and radius of the pizza.

Circle which is the largest

circumference diameter radius

8. Some small circles and large circles fit exactly inside this rectangle.



Work out the **radius** of a large circle

cm

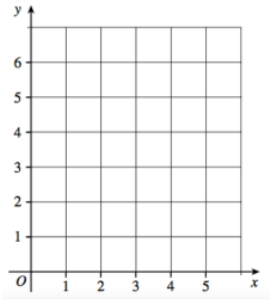
Check (Answers)	https://corbettmathsprimary.com/2018/07/15/parts-of-the-circle-answers/

Coordinates

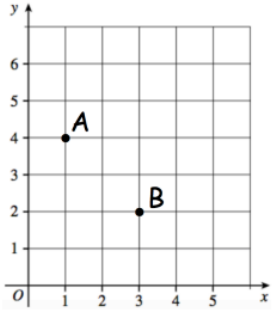
Learn	https://corbettmathsprimary.com/2018/07/16/coordinates-video/

1. **A** is the point (5, 3)
B is the point (0, 2)

Plot the points **A** and **B** on the grid



2. The points **A** and **B** are shown on the grid.



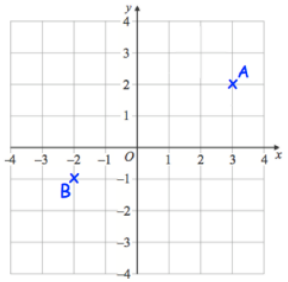
Write the coordinates of point **A**

(,)

Write the coordinates of point **B**

(,)

3. The points **A** and **B** are shown on the grid.



Write the coordinates of point **A**

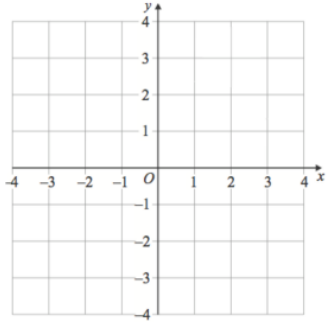
(,)

Write the coordinates of point **B**

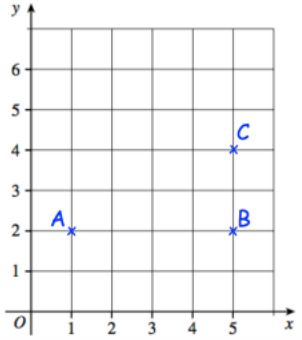
(,)

4. **A** is the point (2, –3)
B is the point (–4, 1)

Plot the points **A** and **B** on the grid



5. **A**, **B**, **C** and **D** are the vertices of a rectangle.

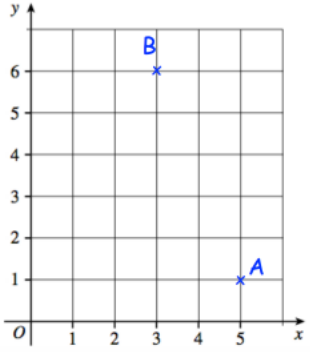


Write the coordinates of point **D**

(,)

---

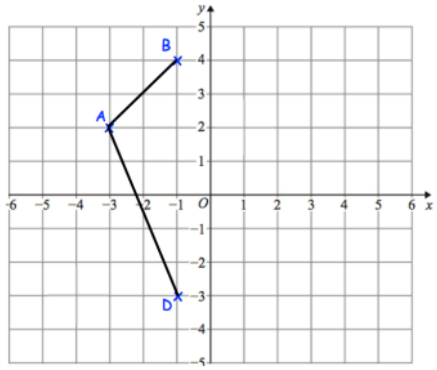
6. **A**, **B** and **C** are the vertices of an isosceles triangle.



Write the coordinates of point ***C***

(,)

7. **A**, **B**, **C** and **D** are the vertices of a kite.



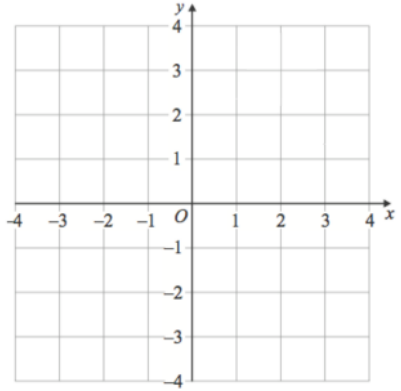
Write the coordinates of point ***C***

(,)

---

8. The vertices of a quadrilateral have these coordinates.

(3, –2) (1, –2) (3, 1) (–1, 1)



Complete the quadrilateral

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/coordinates-answers/

Square Numbers

Learn	https://corbettmathsprimary.com/2018/07/17/square-numbers-video/

1. Here is a list of numbers

2 6 11 14 16 18 24 25

From the list, write down the square numbers

☐ and ☐

2. Write down the value of 3^2

☐

3. Write down the value of 7^2

☐

4. Write down the value of 10^2

☐

5. Write down the value of eight squared

☐

6. Write down the value of 12^2

☐

Check (Answers)	https://corbettmathsprimary.com/2018/07/17/square-numbers-answers/

Cube Numbers

Learn	https://corbettmathsprimary.com/2018/07/15/cube-numbers-video/

1. Here is a list of numbers

6 8 11 14 16 18 25 27

From the list, write down the cube numbers

☐ and ☐

2. Write down the value of 1^3

☐

3. Write down the value of 4^3

☐

4. Write down the value of 10^3

☐

5. Write down the value of five cubed

☐

6. Write down the value of 0^3

☐

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/cube-numbers-answers/

Money

Learn	https://corbettmathsprimary.com/2018/07/24/money-video/

1. Natalie has these coins.

How much money does Natalie have?

2. Tilly has £61

Georgina has £14 less than Tilly

How much money do they have in total?

3. Lauren puts nine 20p pieces into her piggy bank.

Her mum puts seven 50p pieces into the piggy bank.
Her dad puts six 5p pieces into the piggy bank.

How much money is in the piggy bank?

4. Edward buys a sandwich in a shop.

He pays with a £5 note and receives these coins in his change

How much was the sandwich?

5. Daniel and Ben share these coins so that they each have the **same** amount of money.

Daniel chooses his coins first.
Ben takes the rest of the coins.

Which coins could Daniel choose?

.....

Which coins would be left for Ben?

.....

6. Henry has **£4**

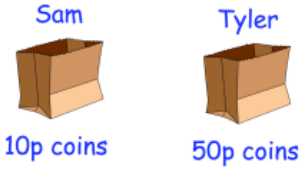
He buys **3** packets of crisps costing **70p** each.

How much money does he have left?

7. Sam has a bag of 10p coins.
Tyler has a bag of 50p coins.

Both bags have the same amount of money inside.

There are **forty** 10p coins in Sam's bag.



How many 50p coins are there in Tyler's bag?

8. Sophie saved 50p every day in September

How much money did she save in total?

9. Jaymin buys three ice creams.

He pays with a £5 note and here is his change

Work out the cost of one ice cream

10. Hannah has 10p
Erin has 64p

How much money should Erin give Hannah so that they have the **same amount of money?**

11. Nicole buys a tie and 2 pairs of socks.

She pays with a £20 note.

How much change does she get?

12. Emma and Tom each buy a toy.

Emma's toy cost £14

Tom pays with a £10 note and gets £4.25 change.

How much more does Emma's toy cost than Tom's toy?

13. Sarah has the same number of 2p coins as 5p coins.

Sarah has £2.10 in 2p coins.

How much money does Sarah have in total?

14. Raheem is putting 50p coins into bags.

Each bag holds 20 coins

He has 645 coins

How many bags can Raheem fill?

15. Magnus has five coins

Three of the coins add up to £1.40
Three of the coins add up to £2.40

All five coins add up to £3.60

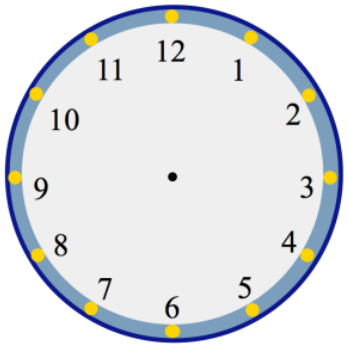
What coins does Magnus have?

Check (Answers)	https://corbettmathsprimary.com/2018/07/24/money-answers/

Time

Learn	https://corbettmathsprimary.com/2018/07/31/time-video/

1. Show the time **twenty to six** on the clock



2.

What time is shown on the clock?

☐ minutes past ☐

3. A television programme begins at 7:30pm

The television programme ends at 8:15pm

How long did the television programme last?

☐

4. How many seconds are in one minute?

☐

How many minutes are in one hour?

☐

How many hours are there in one day?

☐

How many days are there in one week?

How many days are there in August?

How many months are in one year?

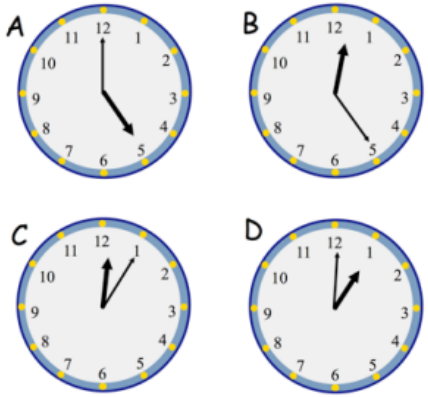
How many days are there in a year? (not a leap year)

How many days are there in a leap year?

How many years are in a decade?

How many years are in a century?

5.



Which clock shows **five past twelve**?

Which clock shows **five o'clock**?

6. A clock shows this time

1 : 32 PM

How long is it until 2pm?

7. Chloe is late arriving at school.

She is meant to arrive at school at 8:45am

The clock shows the time she arrived.

9 : 14 AM

How many minutes late is she?

8. Carlos does his French and English homework.

It takes him a total of **two hours**.

He spends **80** minutes doing his English homework.

How many **minutes** does he spend doing his French homework?

9. How many seconds are there in **five minutes**?

10. A train leaves Bath at 5:55pm

It takes 23 minutes to reach Bradford-on-Avon

What time does the train arrive in Bradford-on-Avon?

Check (Answers)	https://corbettmathsprimary.com/2018/07/31/time-answers/

Timetables

Learn	**https://corbettmathsprimary.com/2018/07/21/timetables-video/**

1. Here is part of a train timetable

Southville	07 04
Leek	07 09
Jamestown	07 38
Lincoln	08 01
Gold City	08 39

How long is the journey from Southville to Jamestown?

How long is the journey from Leek to Lincoln?

2. The timetable shows the times of trains

Southville	0630	0650	0720
Leek	0703	0715	0751
Milton	0824	0835	0920

Mr Ford is in Southville and wants to be in Milton by 09:00

What is the time of the **latest** train he can take from Southville?

How long does the journey take him?

3. Here is part of a timetable for a bus

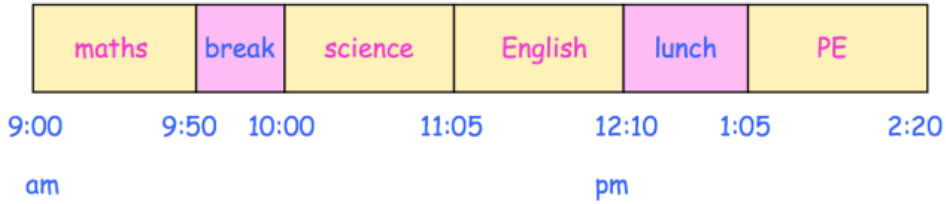
Southville	09 18	10 38	12 05
Leek	09 28	10 48	-------
Milton	09 41	11 01	-------
Newtown	09 49	11 09	-------
Red Island	09 55	11 15	12 36
Sandville	10 13	11 33	-------
Bakerstown	10 31	11 51	13 00

A bus leaves Southville at 10:38

How long does the journey to Newtown last?

What time is the last train from Leek to stop at Milton?

4. Here is Jenson's timetable on a Wednesday.



How long does the PE lesson last?

Jenson leaves school early to go to the doctor.

He leaves the English lesson 35 minutes before the end.

What time did Jenson leave the English lesson?

Check (Answers)	https://corbettmathsprimary.com/2018/07/21/timetables-answers/

Words and Figures

Learn	https://corbettmathsprimary.com/2018/07/21/words-and-figures-video/

1. Write the number 871 in words

.....

2. Write the number 1,045 in words

.....

3. Write the number 3,209 in words

.....

4. Write the number 6,523 in words

.....

5. Write the number **three hundred and twenty-five** in figures

6. Write the number **one thousand, nine hundred and twelve** in figures

7. Write the number **nine thousand and nine** in figures

8. Write the number **eight thousand, one hundred and seventy-eight** in figures

9. At a rugby match between Clevedon and Bury St Edmunds, there were 2,380 fans.

Write 2,380 in words

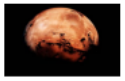
.....

10. At a Yeovil Town football match, there are 4,137 fans.

Write 4,137 in words

.....

11. The diameter of Mars is **six thousand, seven hundred and seventy-nine**



Write the number **six thousand, seven hundred and seventy-nine** in figures

12. Write the number 18,507 in words

.....

13. Write the number 54,168 in words

.....

14. Write the number 105,450 in words

.....

15. Write the number **seventeen thousand, two hundred and eleven** in figures

Check (Answers)	https://corbettmathsprimary.com/2018/07/21/words-and-figures-answers/

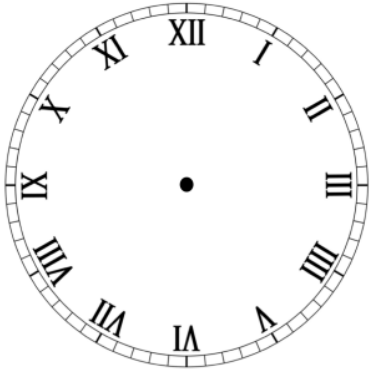
Roman Numerals

Learn	https://corbettmathsprimary.com/2018/05/30/roman-numerals-video/

1. Write the number 5 in Roman numerals

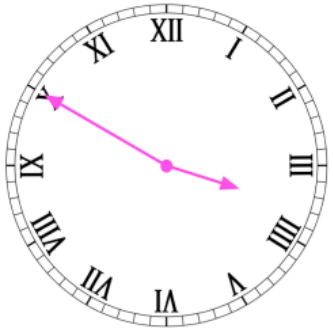
2. Write the number 8 in Roman numerals

3. Here is a clock face with Roman numerals



Show the time 7:15am on the clock

4. Here is a clock face with Roman numerals



What time is shown on the clock?

:

5. Write the number 11 in Roman numerals

6. Write the number 19 in Roman numerals

7. Here is a number written in Roman numerals.

IV

Write the number in figures

8. Here is a number written in Roman numerals

XX

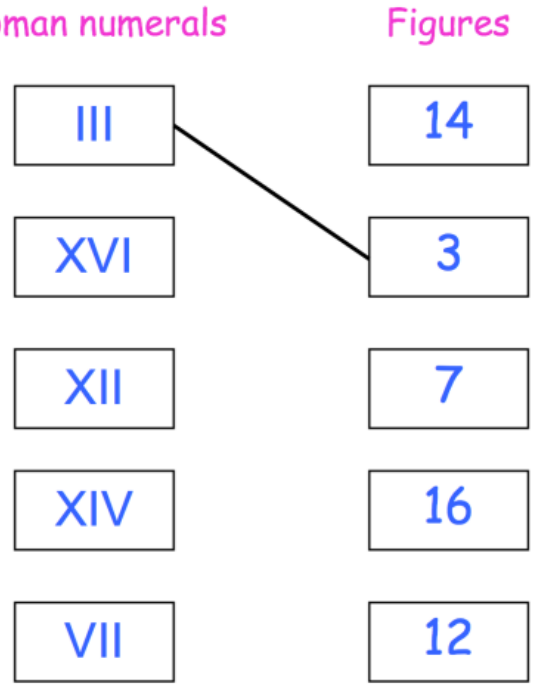
Write the number in figures

9. Here is a number written in Roman numerals

XVIII

Write the number in figures

10.



Match the numbers in Roman numerals to the correct figures

11. Here are five numbers in Roman numerals

X C L V I

Write the numbers in order, starting with the **smallest**

smallest largest

12. Daisy is reading a book.

She is about to begin reading chapter XXIV

Write XXIV in figures

13. Write the number 38 in Roman numerals

14. Write the number 52 in Roman numerals

15. Write the number 75 in Roman numerals

16. Write the number 90 in Roman numerals

Check (Answers)	https://corbettmathsprimary.com/2018/07/15/roman-numerals-answers/

Times Tables

Learn	https://corbettmathsprimary.com/2018/05/30/times-tables-videos/