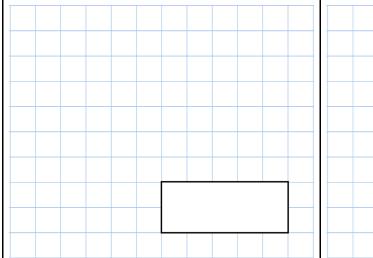
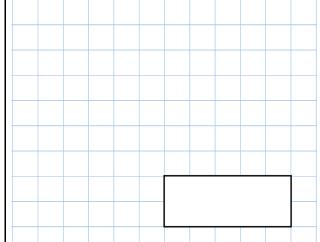


# 1st August

$$10^{||||} = 100$$

$$\frac{7}{8} + \frac{1}{24}$$





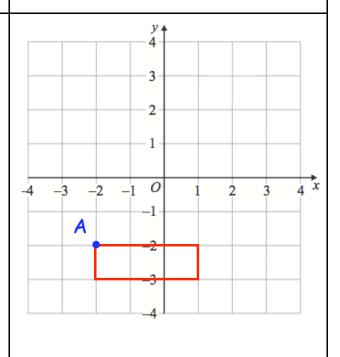
Write the missing values

$$\frac{4}{5} = \frac{12}{60}$$

Here is a rectangle on a grid.

The rectangle is translated so that the point A moves to (0, 0).

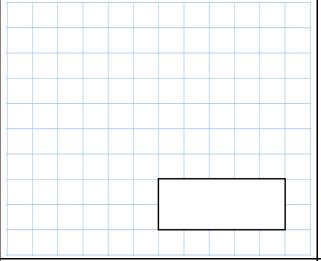
Draw the rectangle in its new position

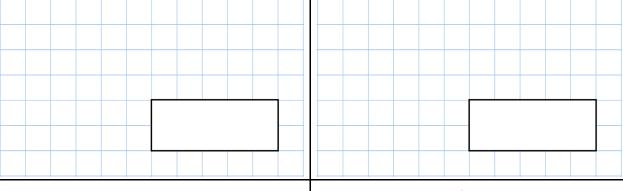




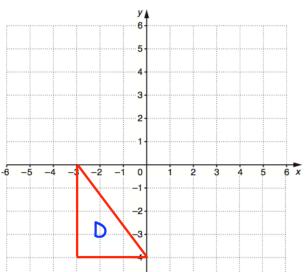
# 2nd August

25% of 112





Find the area of triangle D



Reflect D in the x-axis

Here is part of Olivia's gas bill.

Work out how much Olivia will have to pay

Each unit costs 9p

Old reading 1695 units

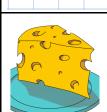
New reading 2104 units



# 3rd August

 $750 \times 100$ 

 $2\frac{5}{8} = \frac{111}{8}$ 



Cheese 96p per 100g

Work out the cost of 150g of cheese

List all the common multiples of 6 and 7 under 100

Three single-digit numbers multiply to make 648

Write the missing numbers

	×
ı	

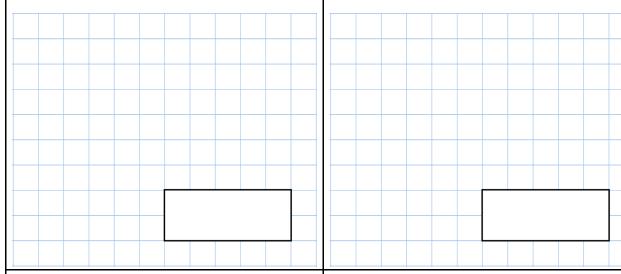




648



$$-100 + 32$$



Circle two different numbers that multiply together to make 10 million.

10 100 1,000 10,000

100,000

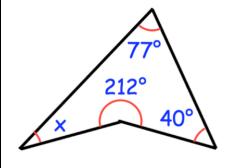
An adult ticket for a museum is £12.00

A child ticket is 25% cheaper than an adult ticket.

How much is a child ticket?



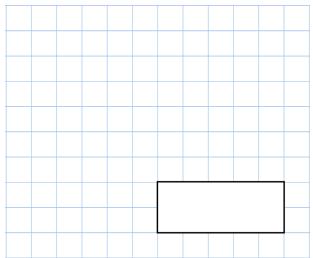
Find the size of angle  $\boldsymbol{x}$ 





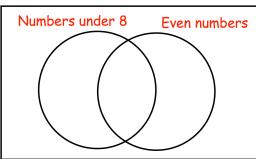
Simplify  $\frac{16}{24}$ 

 $305 \times 1,000$ 

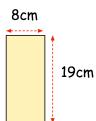


Put these numbers in the correct place on the diagram

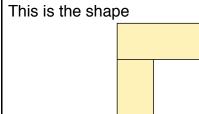
5 8 9 10



A shape is made from two rectangular tiles like this



Work out the area of the shape

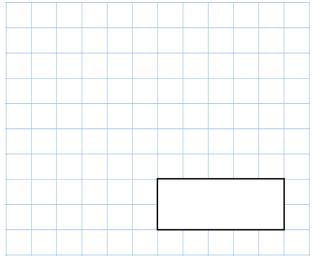


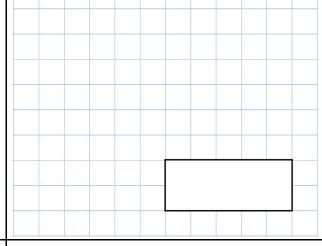
Work out the perimeter of the shape



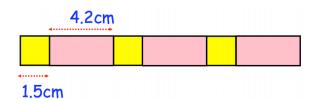
 $14^2$ 

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





Shown is a shape made from three identical squares and three identical rectangles.

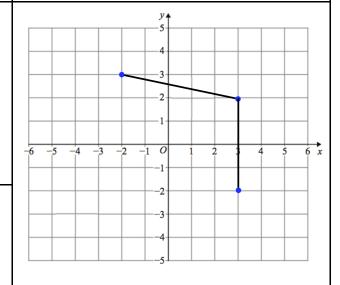


Calculate the perimeter

Two sides of a parallelogram have been drawn.

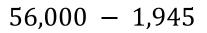
Complete the parallelogram

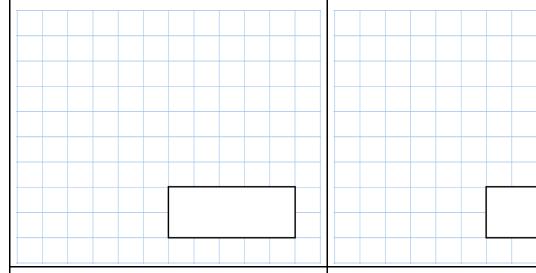
How many lines of symmetry does the parallelogram have?



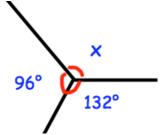


# 50% of 392





Work out the size of the missing angle



A basketball team plays 5 matches The number of points they score in each match is

58, 41, 57, 49, 55



Work out the mean number of points scored

A snowboarder completes 5 somersaults in a jump.

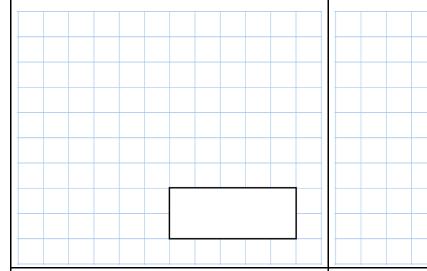
How many degrees does she turn through in the jump?





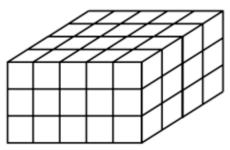
$$-16 + 7$$

 $\frac{11}{3} = 3 \frac{3}{3}$ 



Each cube has a volume of  $1cm^3$ 

Work out the volume of the cuboid



Some children take a test. The pass mark is 75% There are 20 marks in the test

Tommy 14 marks
Grace 17 marks
Megan 15 marks
Lewis 18 marks
Orla 16 marks

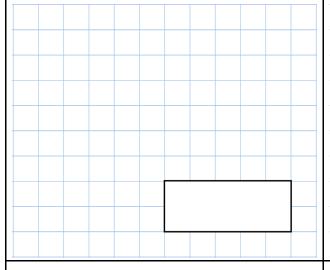
Write down the names of the students who passed the test?

What fraction of the students passed the test?



 $\frac{3}{11} \times 4$ 

 $20^3$ 



17,800 people watched a match between Rovers and City.

10% of the fans support City

How many fans support Rovers?

Draw a 70° angle

Harry spent  $\frac{1}{3}$  of his pocket money on a ticket for a football match.

He spent  $\frac{1}{6}$  of his pocket money on a scarf

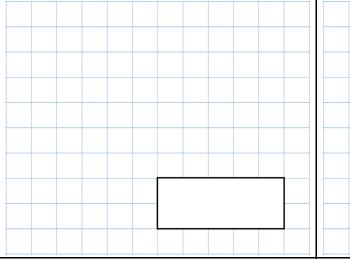
What fraction of his pocket money has Harry spent?

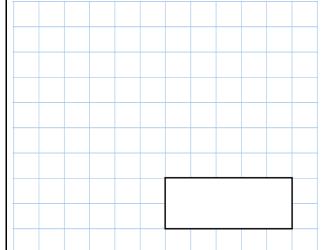


$$-460 + 190$$

$$\frac{3}{8} + \frac{1}{24}$$

Draw Pattern 4





These patterns are made of sticks

Pattern 1 Pattern 2 Pattern 3

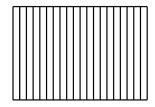
Find the number of sticks in Pattern 6

20 identical books are placed in a row on a shelf

9 books are taken away from the row

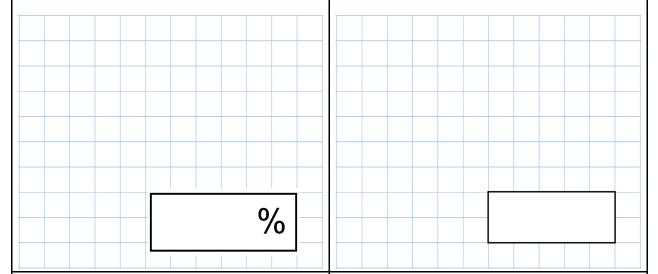
How long is the row now?

180cm





$$\frac{3}{5} = \boxed{\%}$$



A bottle of cola holds 3 litres.

How many 250 millilitre glasses can be poured from the bottle?

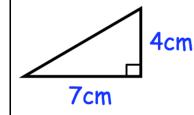


Over 20 days in February, it rained on 14 days.

What fraction of the days were rainy? Simplify your answer



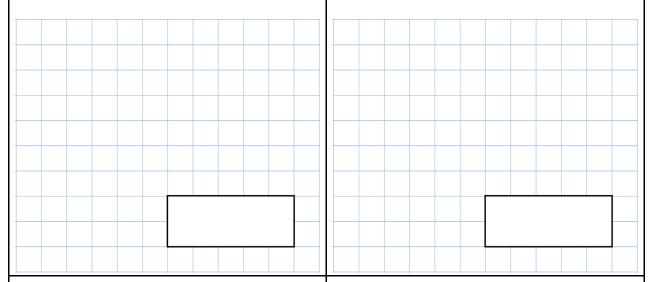
Find the area of this triangle





 $0.4 \times 1,000$ 

 $33 \times 66$ 



Arrange in order, smallest to largest

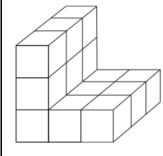
60%  $\frac{1}{2}$  0.3  $\frac{3}{4}$ 

0.4

Write down the number that is one thousand less than five million

The picture shows a shape made with cubes which each have a volume of  $1cm^3$ 

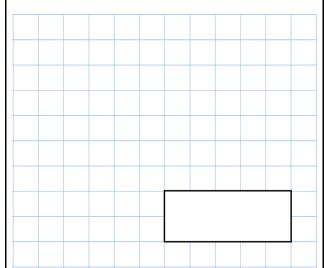
Find the volume of the shape

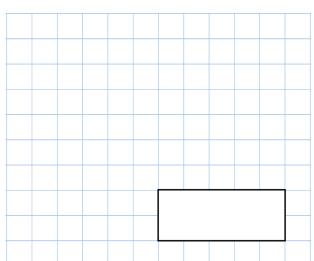




$$\frac{4}{121} = \frac{44}{121}$$







Georgina buys **four** sandwiches. She pays with a **£20 note** This is her change











How much is **one** sandwich?

A farmer has a field that is 200 metres long and 60 metres wide.

Work out the area of the field



Sophie has £2.22 Robert has 90p

How much money should Sophie give Robert so that they have the same amount of money?



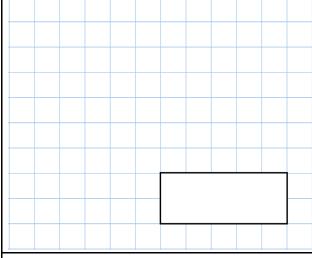


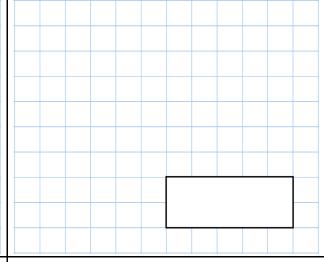


14th	<b>August</b>
------	---------------

 $6^2$ 

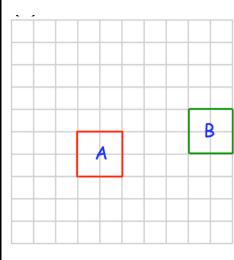
$$\frac{9}{14} - \frac{1}{2}$$





Write down **all** the common multiples of 3 and 7 that are less than 50.

Square B has been translated to Square A



Complete this sentence

Square B has been translated

squares to the left and

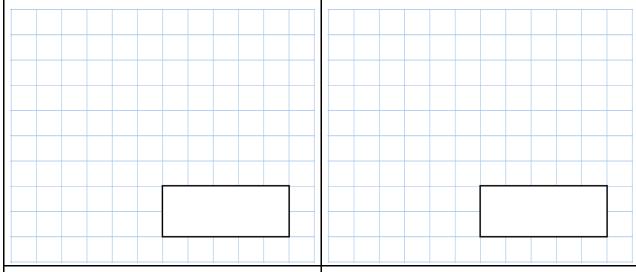
squares down

Translate square A 2 squares left and 2 squares upwards

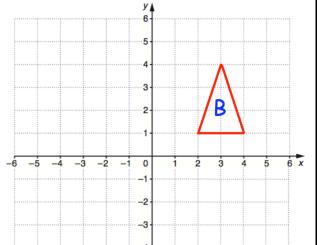


$$4.7 + 3.82 + 0.8$$

$$2,772 \times 6$$



Reflect triangle B in the x-axis



Plot the coordinate (-1,0)

A theatre as 36 rows. There are 21 seats in each row.

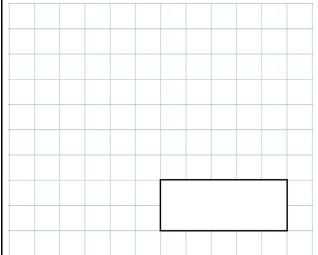
During a show at the theatre, there are 90 empty seats

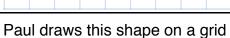
Work out how many people are watching the show

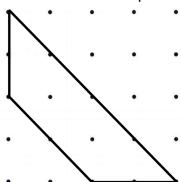


Simplify  $\frac{24}{30}$ 

 $132 \div 12$ 







He turns his grid one quarter turn anticlockwise

Draw the shape in its new position after the turn



Give your answer in metres

•	•	•	•	•



. . . .



10% of 3,200

 $1,140 \div 20$ 



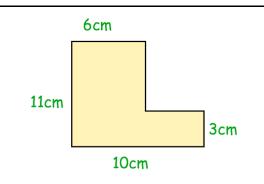
5 children take part in a race.

Their times are:

The top three children win gold, silver and bronze medals.

Jonah 19.23 seconds Noah 19.4 seconds Jeremy 19.09 seconds David 19.155 seconds Alan 19.38 seconds Who won the silver medal?

Find the area of this shape

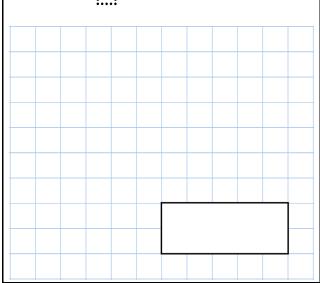


How many seconds are there in an hour?

How many hours are there in March?

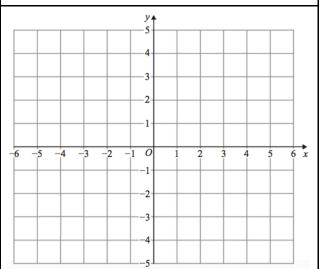


 $0.9 = \frac{10.00}{10.00}$ 



8 9 2 0 6 - 6 7 3 1 7

Plot the coordinates (-4, -4), (-4, 1) and (2, 1)



Find the area of the triangle

Bonbons cost 60p per 100g Strawberry laces cost 90p per 100g

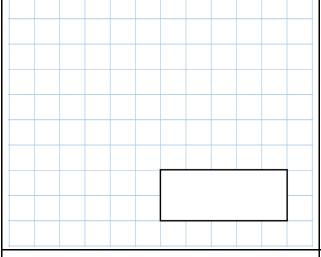
Sam buys 200g of Bonbons and 150g of strawberry laces

How much does he pay altogether?



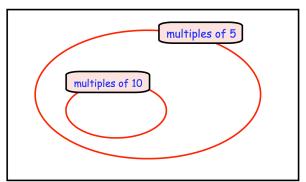
 $60 \div 1,000$ 

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



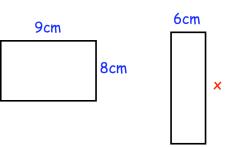
Place these numbers in the correct position on the Venn diagram

45 48 50 55



These two rectangles have the same area.

Find the length of the second rectangle.



Olivia chooses a whole number

She multiples it by 3 and then adds 2

She then divides this result by 4.

Her answer is 3.5

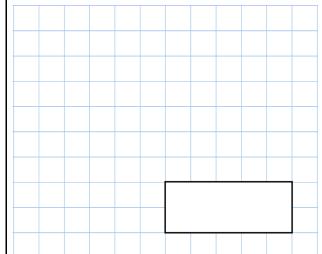
What was the number she started with?



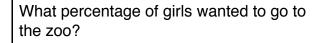
$$0.5 \div 100$$

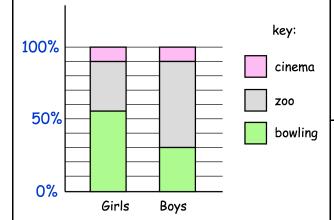






A teacher asks some girls and boys what they wanted to do on a school trip





7 boys wanted to go to the cinema.

Estimate how many boys wanted to go bowling.

Four friends are in a race.

Alice is 4 metres ahead of Barry

Clara is 9 metres behind Dylan

Barry is 5 metres behind Dylan

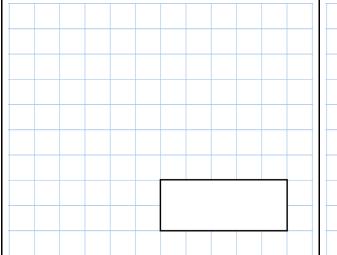
Write the names of the runners in order, starting with the friend who is furthest ahead

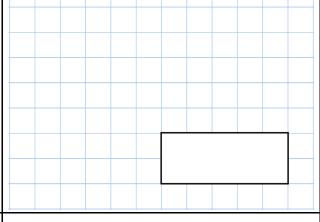


#### 21st August

$$2\frac{15}{16} = \frac{1111}{16}$$

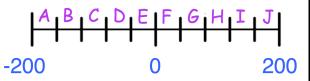
100,520 - 38,631





Here is part of a number line.

It is divided into equal sections.



Write the letter of the section where each of these numbers belongs.

number	section
65	G
154	
-121	

Work out  $\frac{3}{4}$  of £9

Kate makes a sequence of numbers.

Her rule is to add the same amount each time

Write in the missing numbers

-3	



9



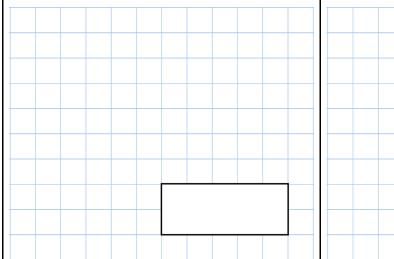
# Name: \_\_ 22nd August $7^2$ $500 \times 30$ Eva bought three cups of tea. She pays with a £20 note. Her change is £14.75 What is the cost of five cups of tea? Joshua has £4 to spend on oranges. Small oranges cost 15p each Large oranges cost 25p each He decides to buy only small oranges or only large oranges. How many more small oranges than large oranges can he buy for £4? For each pattern put a tick if it has a line of symmetry. Put a cross if it does not.

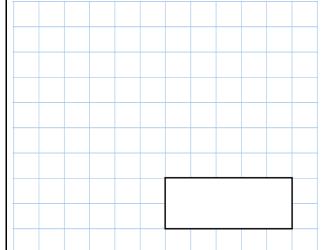


# 23rd August

$$17 \times 9 \times 12$$

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





Aidan earns £18 an hour.

He works 23 hours in one week.

He gives  $\frac{1}{10}$  of his total pay to his mum.

How much money does he give to his mum?

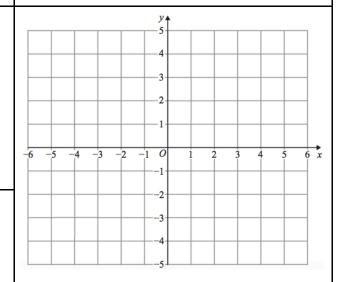
Emily is drawing a rhombus on the grid. She plots three points.

$$(-4,1)$$
  $(-2,-1)$   $(2,1)$ 

Plot these points

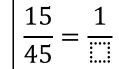
Emily has one more point to plot.

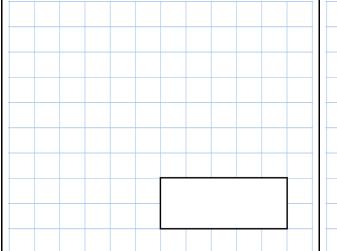
Write down the coordinates of the fourth vertex of the rhombus





$$= 64$$





Martin hits the target with 5 of the balls

Martin is playing a game













and misses with the rest.

How many points does Martin score in total?

He throws 8 balls at a target, one at a time.

Each hit is worth 9 points Each miss is worth -5 points Laura throws 3 balls at the target, one at a time.

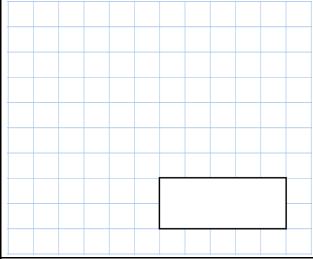
Is it possible for Laura to score 0 points in total?

Write down all the square numbers between 70 and 110



 $484.5 \div 100$ 

 $\frac{3}{4} - \frac{5}{16}$ 



Measure this angle



The table shows the number of people living in three different countries.

Country	Population
Canada	36,624,199
Mexico	129,684,378
Turkey	81,127,417

What is the difference between the numbers of people living in Mexico and Canada.

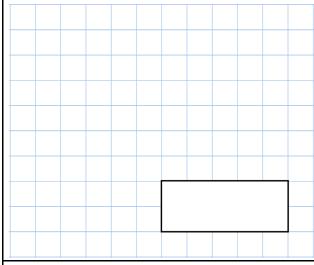
2.5 tonnes =
--------------

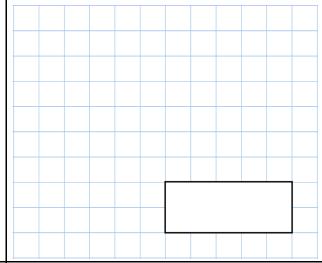
grams

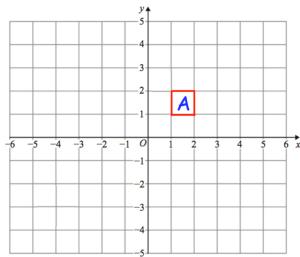


90,801 - 1,955

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







The square A is translated 6 **left** and 2 **up**Draw the square in its new position

Plot the point (2, -4)

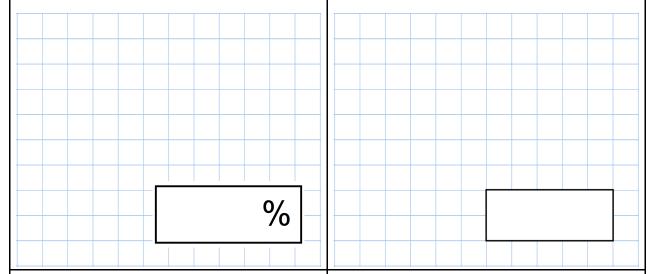
A **square number** and a **multiple of 3** have a total of 90.

What are the two numbers?

+ = 90

square number multiple of 3





Write down three factors of 30 that are **not** factors of 40.

Timothy saves £26 a week

Calculate how much money Timothy will save in one year

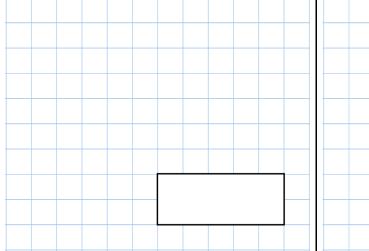
Write the two missing digits to make this **long multiplication** correct

		7	
	×		9
	6	8	4
2	2	8	0
2	9	6	4



 $6^3$ 

 $\frac{77}{100} + \frac{3}{50}$ 



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

How long does the journey to Red Island

A bus leaves Southville at 12:05

take?

Anthony arrives at the Leek bus stop at 09:31

He waits for the next bus to Sandville

How many minutes should he wait?

At what time should Anthony arrive at Sandville?

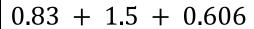
Here is a number written in Roman numerals

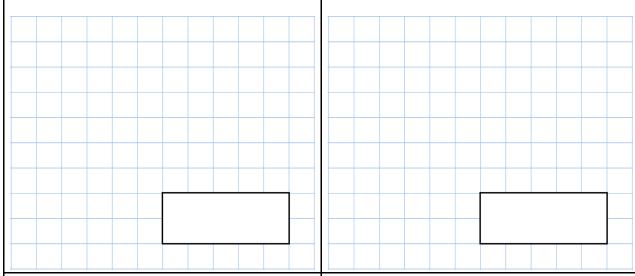
**CCXLIII** 

Write the number in figures



# 10% of 740





In each box, circle the number that is **smaller** 

$$1\frac{1}{2}$$
 1.3

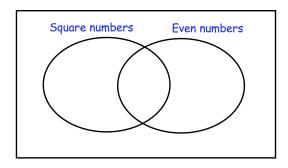
$$2\frac{3}{4}$$
 2.8

 $1\frac{9}{100}$  1.1

$$4\frac{3}{5}$$
 4.5

Write each number in its correct place on the diagram

35 36 37 38



Large cakes cost £5.75 each Small cakes cost £3.80 each

Five children together buy three large cakes and one small cake.

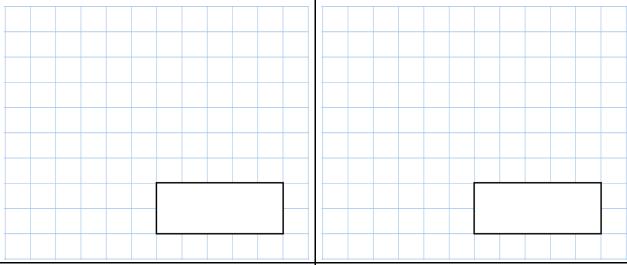
They share the cost equally.

How much does each child pay?



Simplify  $\frac{14}{16}$ 

 $9376 \div 8$ 



Write a number that could go in section B

	multiple of 5	not a multiple of 5
square number	Α	В
not a square number	С	D

Miss Jones prepares a picnic for her class. Each child will get:

Altogether Miss Jones packs 40 sandwiches.

2 sandwiches

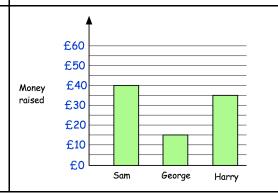
5 carrot sticks

7 grapes

1 drink

How many grapes does she pack?

Work out the mean amount of money raised.

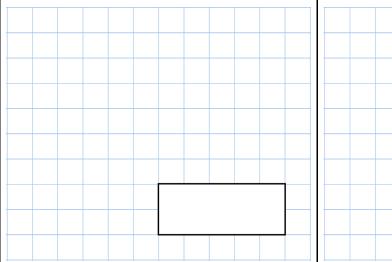




31st August

 $0.9 \times 10$ 

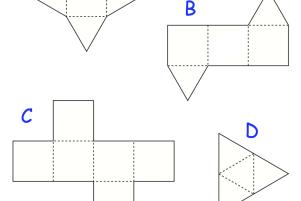
 $68 \times 23$ 



Here are some nets



Which letter is the net of a cuboid?



Which letter is the net of a square-based pyramid?

Here are four digit cards









Use each digit card once to make the decimal number nearest to 40

