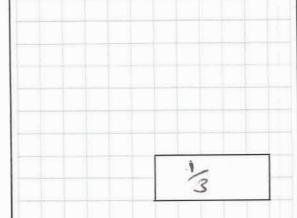
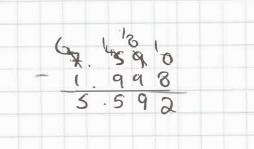


1st October

Simplify  $\frac{15}{45}$ 

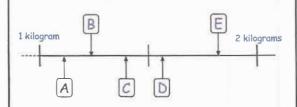
7.59 - 1.998





5.592

Here are five letters on a scale



1410 g

1.11 kg A

1.8 kg €

 $1\frac{1}{4}$  kg  $\boxed{B}$ 

1550 g D

Match each letter to one of the masses in the list

Three whole numbers add up to 40.

Magnus says,

"All three numbers must be even."

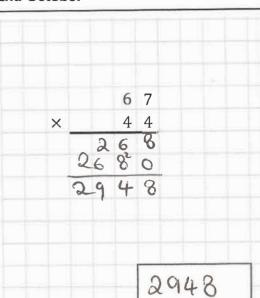
Is Magnus correct?

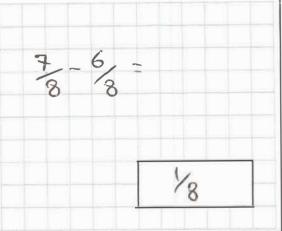


No, it could be 2 odds and I even ie 15+13+12 = 40



2nd October







Cheese £1.10 per 100g

Work out the cost of 250g of cheese £2.75

200g -> 22.20 Sog -> 20.55 \$2.75

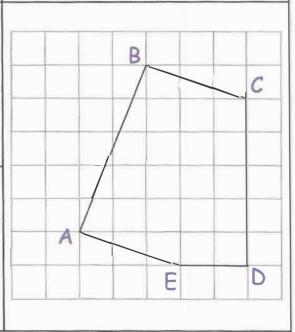
Which two lines are parallel?

AB (BC) CD DE (EA)



Which two lines are perpendicular?



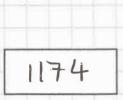




3rd October

			П
	1	17	4
6	7 '	044	24

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

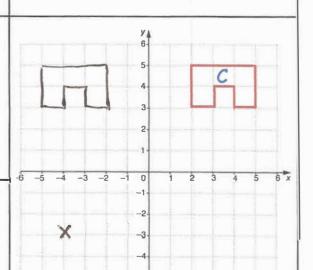


45

Three single-digit numbers multiply to make 448

Write the missing numbers

Plot the point (-4, -3)



Reflect C in the y-axis



50% of 170

 $45 \times 21$ 

8 S

45 x 2 1 45 900 945

945

A house is 10 metres wide and 7 metres tall.

How tall is her model?

14cm

How many centimetres are in 1.8 metres?

10m

Not to scale

Kirsty makes a scale model of the house.

Her model is 20 centimetres wide

180 cm

Draw a 125° angle

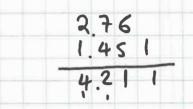
7<sub>m</sub>

125°

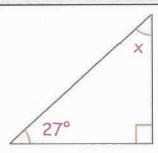


$$0.3 \div 10$$

$$2.76 + 1.451$$



4.211



Calculate the size of angle x

A box contains 1.8kg of rice

Laura uses 45 grams of rice for each meal. She uses all the rice.

How many meals did Laura make?

40

0.03

1.8kg = 1800g

1800 : 45

= 40

1.8kg

Hendrik has five coins.

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

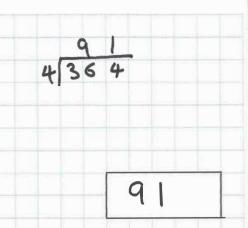
All five coins add up to £3.60

What are the coins that Hendrik has?





25% of 364



2 | 4 7 | 1 4 9<sup>2</sup>8

214

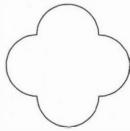
Three coffees and a flapjack cost £7.35.

The cost of the flapjack was 90p

Work out the cost of four coffees.

7.35-0.90 = 6.45

This shape is made from four identical curves



What is the perimeter of the new shape?

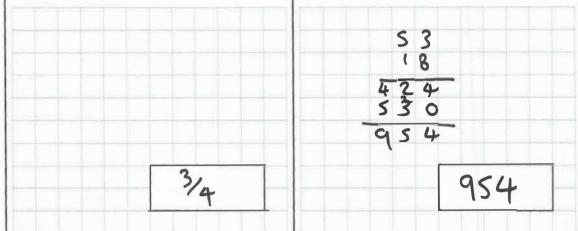
The perimeter of the shape is 72 centimetres

A new shape is made out of curves of the same size



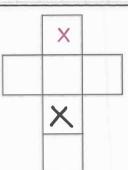
0.75	=	3
		न्नः

$$53 \times 18$$



Here is a net of a cube.

Draw one more cross so that the cube will have crosses on opposite faces



The population of London is 8,136,121

How many more people live in London than these four cities combined?

City	Population
Brighton	273,369
Preston	190,687
Birmingham	1,224,136
Telford	166,641

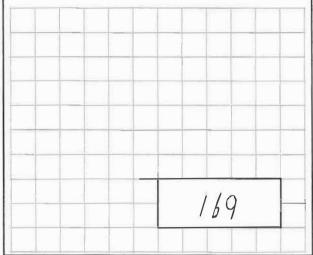
8,136,121-1,8 54,833

6,281,288



 $13^{2}$ 

 $3\frac{7}{12} = \frac{111}{12}$ 



43

Hannah says

"there are more prime numbers between 1 and 10 than between 10 and 20.

Is Hannah right?

No

2 3 5 <del>7</del> 11 13 17 19

Hannah has £700

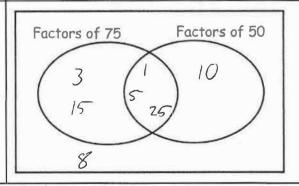
She spends 15% of her money on a new guitar.

How much does Hannah spend on her quitar?

10% 5 £ 70 5% = £35

Write these numbers in the correct places on the diagram

1,3,5,8,10,15,25





13	<u> </u>
$\frac{}{4}$	$3{4}$

		11		9	١
	8	Q)	Z.	98	1
_	6	7	3	1	,

21889

$$\frac{1}{2}$$
 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 the car park are red or blue?



The mass of a 2p coin is 7.1 grams.

The mass of a 1p coin is half the mass of a 2p coin.

What is the total mass of these eight coins?



Here is a number written in Roman numerals

**CXXXV** 

Write the number in figures

135



 $10^2$ 

 $\frac{4}{5} - \frac{8}{15}$ 

100

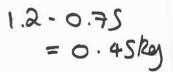
12 - 3 - 4 15 - 15 - 15

Josie has 1.2 kilograms of flour.

She uses 0.75 kilograms of flour to make a cake.

How much flour does she have left?

0.45 kg

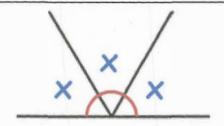




A straight line has been divided into 3 equal size angles.

Find the size of each angle

180:3=600



Mrs Jenkins is a chicken farmer Her rectangular chicken pen is 18 metres long and 9 metres wide.

Each chicken needs at least 3m² of space.

How many chickens can she keep?

54

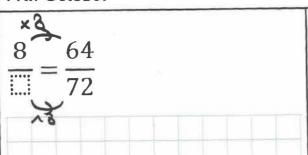


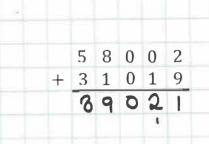
18x9 = 162  $162 \div 3 = 54$ 

89,021

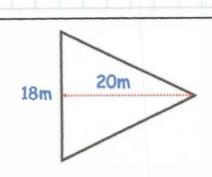


# 11th October





Work out the area of the triangle



20% of the children at a school are left handed.

There are 250 children at the school.

How many children are left handed?

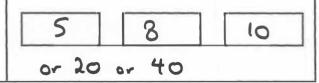


9

505 is 52x9 = 20

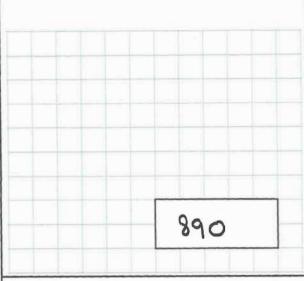
Write three factors of 40 that are **not** factors of 36

40:1,2,4,5,8,10,20,40





 $8.9 \times 100$ 



× 3 4	1	7 6
	× 3	_

1326

Here is a list of numbers

8 11 14 16 25 27

From the list, write down the cube numbers

8,27

Mr Smith makes a tower of 30 identical books.

Mr Smith adds nine more books.

How tall is the tower now?

each book 270 = 30 = 9cm

9×9=81cm



Tick two numbers that are equivalent to  $\frac{3}{5}$ 

35%

 $\frac{30}{50}$ 

0.35

0.6

-



75% of 20

 $\frac{6}{7} = \frac{18}{111}$ 

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

15

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?

21

Write the correct symbol in the box







2 - 3 > 20 - 30

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? £7.35

£2.10 in 2ps is 105 coins

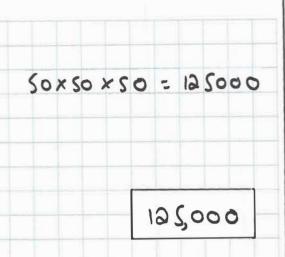
=#5.25

£5.25 + £2.10 = £7.35



×			9	1		
		2	7	7		
	6	5	1	200		
	-	न्त्र	3	3	+	ш
			- 0			
					+	

 $50^{3}$ 



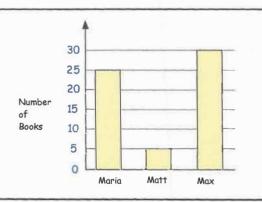
Over 20 days in February, it rained on 12 days.

6882



What fraction of the days were rainy? Simplify your answer.

Work out the mean number of books



Grapes cost £3.20 per kilogram Blueberries cost £7 per kilogram

Work out the total cost of 250g of grapes and 100g of blueberries

£1.50

250g grapes: £320 -: 4=80p 1cog bloeny: £7:10: 70p 80p+70p = £1.50

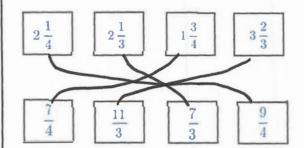


Simplify  $\frac{18}{22}$ 

-12 + 7

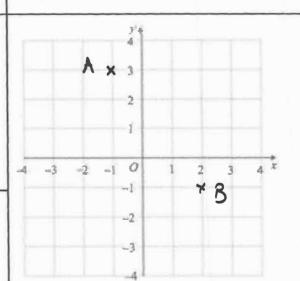


Match up the equivalent mixed numbers and improper fractions.

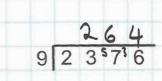


Plot the point A (-1,3)

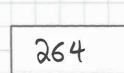
Plot the point B (2, -1)







20% of 30



6

Change 780 metres into kilometres

0.78 km

Change 0.02 kilograms to grams

20 grans

Circle all the prime numbers







A 2p coin has a mass of 7 grams.

Find the total mass of £8 of 2p coins.

So 2p cons make &1

400 2p coins make & 8

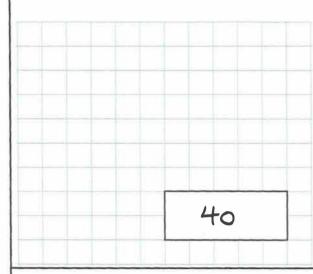
400 x7 = 2800 g 2.8 ky

79

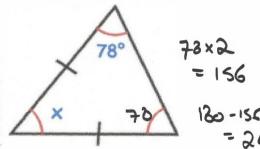


## 17th October

50% of 80



**79** 9 7 181



Find the size of angle x.

Jessica has £600.

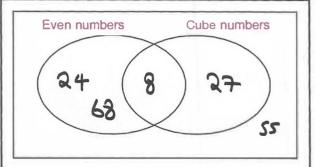
She gives 50% to her mother. Jessica gives 10% to her brother. She keeps the rest.

How much money does Jessica keep?

mother - \$300 biother - \$60 \$360 600 - 360 = \$240

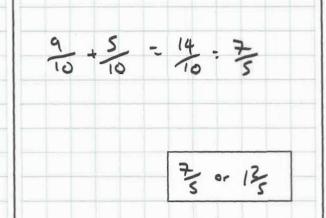
Write each number in the correct position on the diagram.

8 24 27 55 68





$$\frac{9}{10} + \frac{1}{2}$$



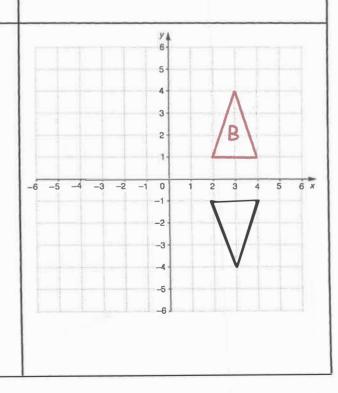
Write down **all** the common multiples of 4 and 9 that are less than 100.

40

%

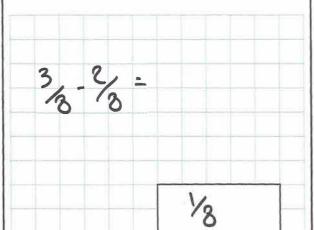
36,72

Reflect triangle B in the x-axis



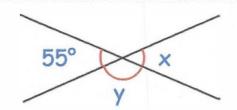


3		1
-	_	
8		4



	1	1	3
8	9	13	<b>5</b> 6





117

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

Sophie has £2.12 Orla has 84p

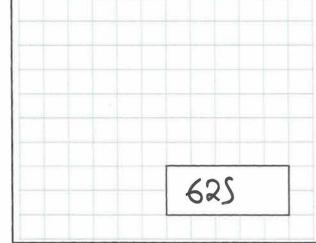
How much money should Sophie give Orla so that they have the same amount of money?

2.12-0.84 = 1.28



 $5 \times 5 \times 5 \times 5$ 

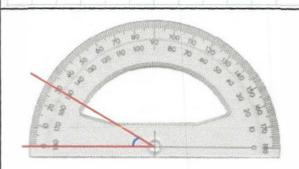
 $1,032 \div 6$ 



172

Write down the size of the angle being measured.

30°



A group of 9 friends go on a coach tour. The total cost of the tour is £648

How much does each person pay?

£72

9 648



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?

£1 £2

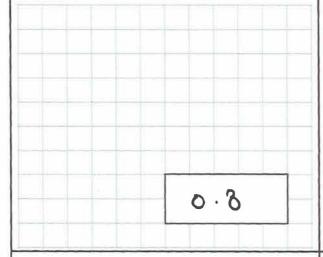
20p 20p 20p

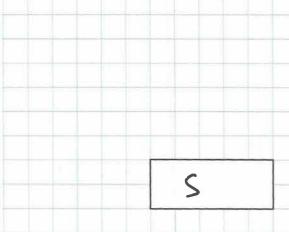


## 21st October

 $0.08 \times 10$ 

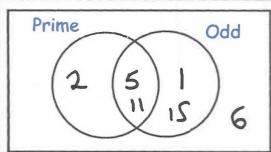
5.





Write each number in its correct place

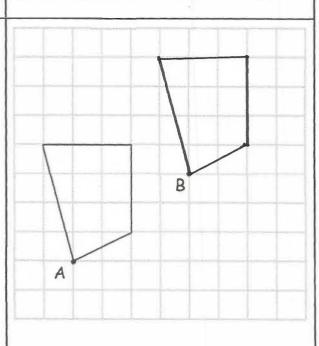
1 2 6 5 11 15



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.

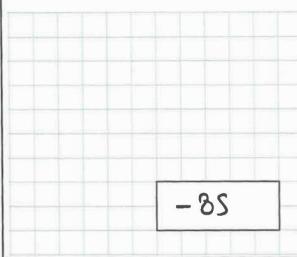


1632



#### 22nd October

-30 - 55



× 2 7	× 2	2 2
-------	-----	-----

Write these numbers in order, starting with the smallest.

0.904 0.41 0.088 2.1 0.9

0.9 0.088, 0.304, 0.41, 0.9, 2. 1

Large pizzas cost £6.25 each Small pizzas cost £4.80 each

Five children together buy two large pizzas and one small pizza.

They share the cost equally.

How much does each child pay?

Jack and Harry are waiters in a restaurant. They are both paid the same amount of money for each hour they work.

Jack worked 5 hours and is paid £32

Harry worked 7 hours

144.80

How much is Harry paid?



# 23rd October

75% of 60	600
-----------	-----

92



81

Jon and Callum have the same number of coins.

Jon has £9.40 in 20p coins. Callum has 50p coins.

How much money does Callum have?

9.40-0.2=47 20p Gins

47 xo.5 = £23.50

Emily has four pots of crayons.

Three of the pots have 10 crayons and the other pot has 6 crayons.

What is the mean number of crayons in a pot?

10,10,10,6

tole = 36 36 = 9

Saffron costs £6.18 per gram.

What is the cost of a tenth a kilogram of saffron

1 gran = Tous kay

1 cogren = 1 kg

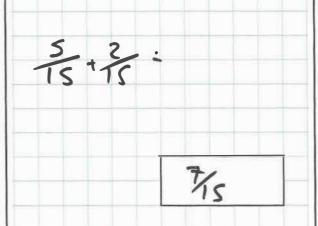
6.18 x100 : 6/8





	1	0	_	
	1			
ı	0	0	5	
1	1	5	5	
				1155
		10	10005	1 0 5 1 1 ( 0 5 ( 0 5 0

1		2
3	+	<del>15</del>



List the first five prime numbers

2,3,5,7,11

An adult ticket for a football match is £9.00

A child ticket is 20% cheaper than an adult ticket.

How much is a child ticket?

 $207.9 \neq 9 = \neq 1.80$  $9-1.80 = \neq 7.20$ 

In Victoria's class, there are 20 students

Explain why Victoria must be wrong

Because 7 closes t fit exactly into 20

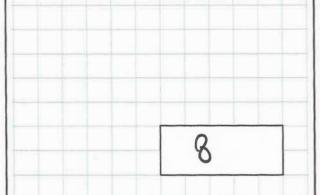
Exactly  $\frac{2}{7}$  of the students in the class wear glasses.





 $2^3$ 

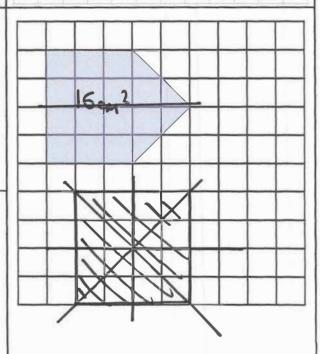
 $0.7 = \frac{1...1}{1...1}$ 



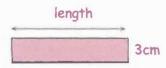
元

On the grid, draw a **square** which has the **same area** as the pentagon

Draw any lines of symmetry on the **pentagon** and the **square** 



12cm 8cm

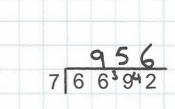


The triangle and rectangle have the same area

Work out the length of the rectangle.

48:3 - 16 cm

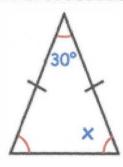




$$\frac{1}{4} = 25\%$$



25 %



Calculate the size of angle x

$$80 - 30 = 150$$
 $150 \div 2 = 75$ 
 $x = 75^{\circ}$ 

In a bag, there are green, white and blue counter.

- $\frac{1}{10}$  of the counters are green.
- $\frac{3}{5}$  of the counters are white.

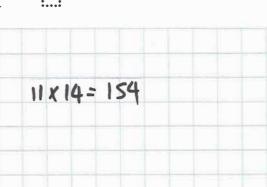
What fraction of the counters are blue?

Write the number 315 in Roman numerals

CCCXV







154

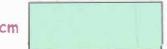
2 0 1 0 8 6 0

54

What is the perimeter of this rectangle?

$$5.7 + 5.7 + 3.46 + 3.46$$
  
= 18.32 cm

3.46 cm



5.7 cm

Two of the fractions are equivalent

Circle the equivalent fractions.

$$\frac{2}{3}$$
  $\left(\frac{12}{15}\right)$   $\frac{9}{12}$   $\left(\frac{16}{20}\right)$   $\frac{6}{10}$ 

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?

450M1



Simplify  $\frac{7}{28}$ 

$$\frac{2}{5} = \frac{2}{40} \%$$

1/4

40 %

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

12 × 12 >



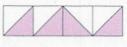
80 ÷ 20 > 75 ÷ 25

3 × 80



 $5^2$ 

Circle any pattern that has a line of symmetry

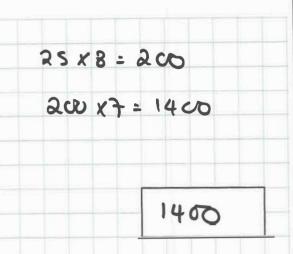




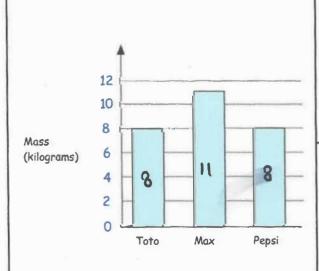




$$25 \times 8 \times 7$$



Work out the **sum** of 538,597 and 765,432

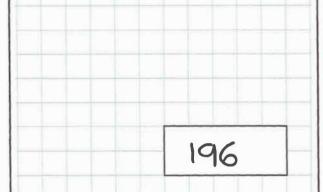


Work out 25% of Toto's mass.

Work out the mean mass of the puppies.



 $14^2$ 



Rhys buys 3 magazines.

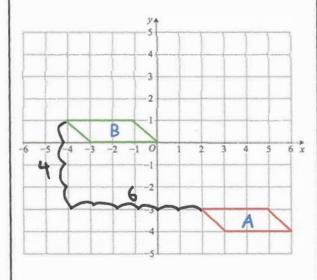
The first magazine cost £4.99 The second magazine cost £3.45 The third magazine cost £4.80

He pays with a £20 note. \$6.76

Work out how much change Rhys should receive.

torul out \$ 13.24 \$20 -\$13.24 = \$6.76

A parallelogram is translated from position A to position B



Complete the sentence

The parallelogram has moved

squares to the left

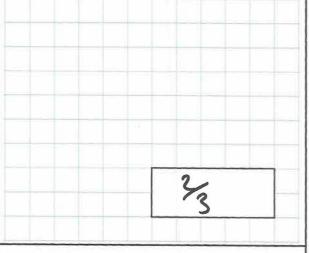


squares up

## 31st October

×			7	9	
	/1	S	7	6	-
	5	0	5	9 6 0	

Simplify  $\frac{6-3}{9} = 3$ 



Natalie travels from her home to London.



How far was Natalie from home when she visited Edward?

40 miles

How long did Natalie stop for?

12h (1h 30 min)

Jack buys three pens.

on the way.

He pays with a £20 note. His change is £13.49

How much would two pens cost?

\$4.34

\$20 - \$13.49 = \$6.51 1 pen outs \$6.51 + 3 \tau 2.17 :. 2 pens out \$4.34