



1st November

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

$$112^2$$

A car travels at 55 miles per hour for 3 hours.

How far does the car travel?



Miss Rodgers is buying rulers.

20 rulers cost £5.60

10 rulers cost £3.25

1 ruler costs 75p

Miss Rodgers has £20 to spend on rulers.

What is the greatest number of rulers she can buy?

Here is a pattern of number pairs

a	b
1	5
2	7
3	9
4	11

Complete the rule for the number pattern

$$b = \boxed{} \times a + \boxed{}$$



2nd November

70% of 1,250

$$\frac{\square}{0.5} = 314$$

Draw a 300° angle

40% of the apples in a bag are red.
The rest of the apples are green.

There are 24 red apples in the bag.

How many apples are in the bag?

m is a whole number.

$7m$ is greater than 50

$10m$ is less than 130

Write all the numbers that m could be

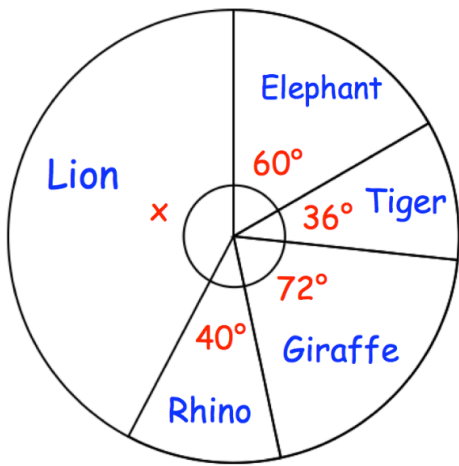


3rd November

$$7 + 7 + 7 + 7 \times 7$$

×	1	9	5
	1	6	3

The pie chart shows information about the animals some children liked best.



Find the size of the angle x.

What fraction of children liked Rhino best?

Alan has 5 more sweets than Bryan.
Clara has 2 sweets less than Bryan.
Altogether they have 30 sweets.

How many sweets does Alan have?



4th November

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

Grid area for working out the multiplication problem. Includes a rectangular box at the bottom for the answer.

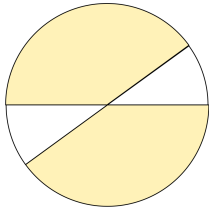
$$40 - 3^3$$

Grid area for working out the subtraction problem. Includes a rectangular box at the bottom for the answer.

Find the remainder when 1,520 is divided by 32.

Blank area for working out the division problem.

In this circle, each shaded part is $\frac{4}{9}$ of the area of the circle.
The two white parts have the same area.
What fraction of the circle is **one** of the white areas?



Anthony and Elise have the same number of football cards.
Anthony has sorted his cards into piles of 10.
Elise has sorted her cards into piles of 18.
How many cards do they each have?

Blank area for working out the word problem.



5th November

$$1\frac{1}{5} \times 10$$

$$896 \div 28$$

Simplify

$$6a + 3b - 2a + b$$

A shop sells drinks.

Harry buys 2 coffees and 1 tea for £8.70

Mia buys 2 coffees and 4 teas for £16.80

How much does one tea cost?

Work out the value of m

$$9m + 12 = 66$$



6th November

$$65\% = \frac{\square}{\square}$$

$$635 \times 273$$

Circle two numbers that multiply together to equal 10 million

200 500 1,000 2,000

20,000 100,000 200,000

Katie thinks of a number.

She **multiplies the number by 4** and then **subtracts 25** from the result.

Her answer equals the number she started with.

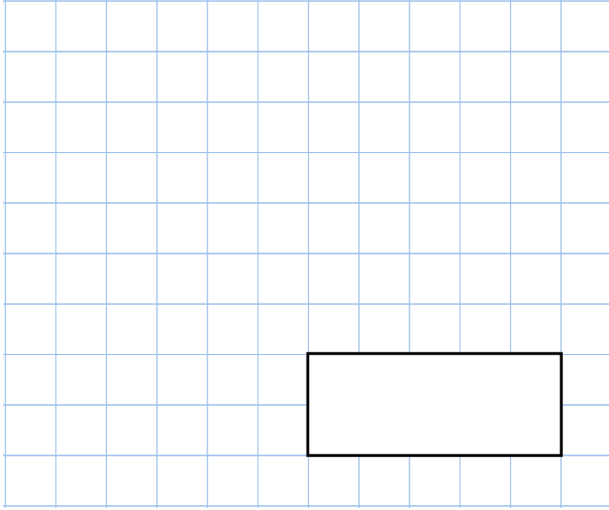
What was the number Katie started with?

Write the number 1966 in Roman numerals.

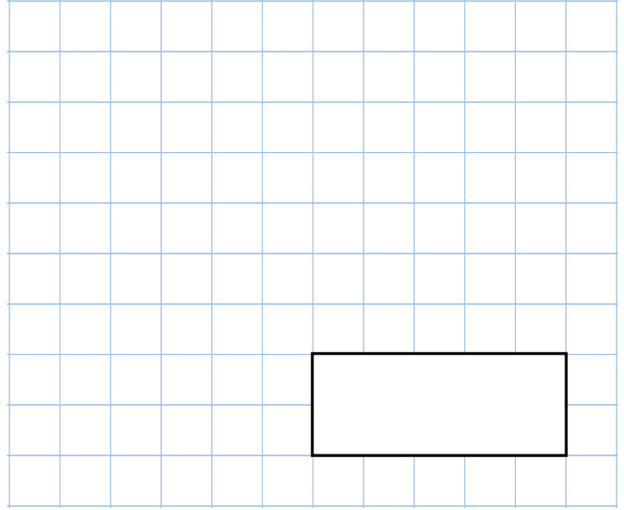


7th November

$$5\% \times 1,600$$

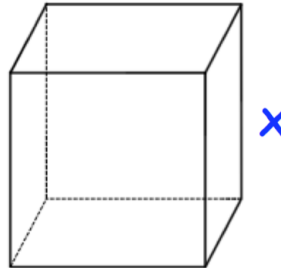


$$0.6 \times 210$$



Here is an equation

$$m = 120 - 3c$$

Find the value of **c** when **m** = 90A cube has a volume of 125cm^3 Find **x**

Farmer Smith has 50 more sheep than
Farmer Jones.

Farmer White has three times as many
sheep as Farmer Jones.

In total there are 1,050 sheep.

How many sheep does Farmer Jones
have?



8th November

$$\frac{7}{9} - \frac{1}{6}$$

$$0.06 \times 23$$

Write $\frac{9}{20}$ as a percentage

--

A gardener plants daffodil bulbs in her garden.

For every 2 yellow bulbs, she plants 5 white bulbs.

She plants 40 white bulbs.

How many bulbs does she plant in total?



In a triangle the largest angle is four times the size of the smallest angle.

The other angle is 30 degrees larger than the smallest angle.

Write down the sizes of the three angles.

--



9th November

$$\frac{2}{3} = \boxed{}$$

$$7 \times 7 \times 8 \times 8$$

Grid area for the first problem.

$\boxed{} \%$

Grid area for the second problem.

$\boxed{}$

Chair World
2 chairs for €30
or €18 each



Chair'R'us
4 chairs for €58
or €19 each

Land of Chairs
3 chairs for €46
or €20 each

Henry wants to buy 9 chairs.
Which show is the best value for money?

A factory makes 8,000 bottles of lemonade.
Each bottle contains 250 millilitres.
How many litres of lemonade does the factory make?



10th November

$$80 + 40 \times 3$$

Add these signs to make the calculation correct.

 $+ - \times \div$

$$5 \square 8 \square 4 \square 2 = 11$$

Tomas is facing East.

He turns 135° clockwise.

What direction is he now facing?

Eddy had some money.

He spent £1.05 on a drink.

He spent 99p on a packet of popcorn.

Eddy has **three-fifths** of his money left.

How much money did Eddy start with?



11th November

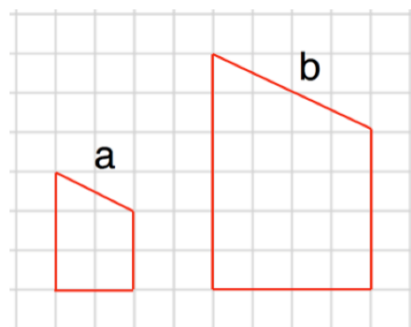
$$2360 \div 59$$

$$1\frac{1}{4} \times 38$$

Emma scored 13 out of 25 in a quiz.
 What percentage of the questions did Emma answer correctly?



Patrick had some money
 He spent £2.72 on a coffee.
 He spent £1.74 on a muffin.
 He has **four-fifths** of his money left.
 How much money did Patrick have to **start with**?



The two shapes are similar.
 Write the ratio of side a to side b.

a : b =



12th November

$$2\frac{1}{3} - \frac{5}{9}$$

55% of 750

$$22,176 = 84 \times 264$$

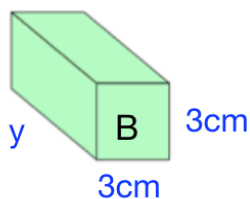
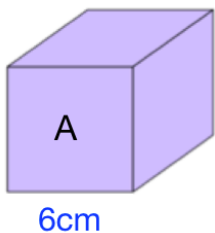
Use this multiplication to complete these calculations

$$8.4 \times 264$$

$$83 \times 264$$

$$84 \times 263$$

Cube A and Cuboid B have the same volume.

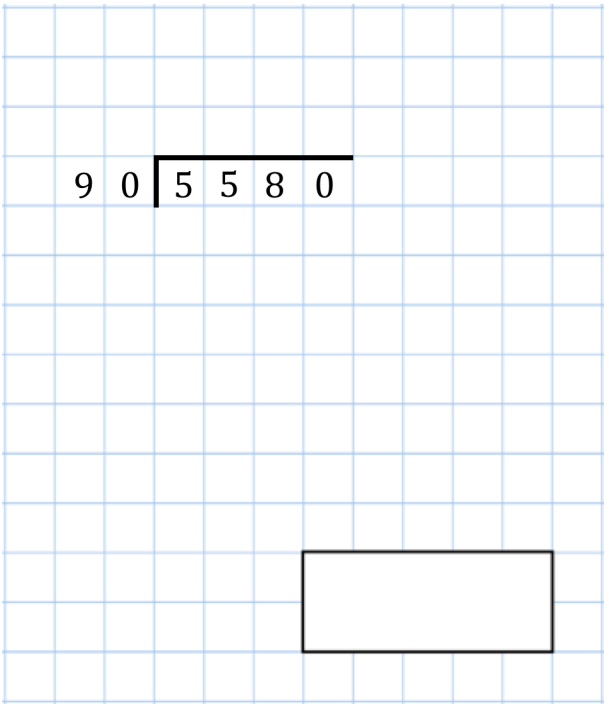
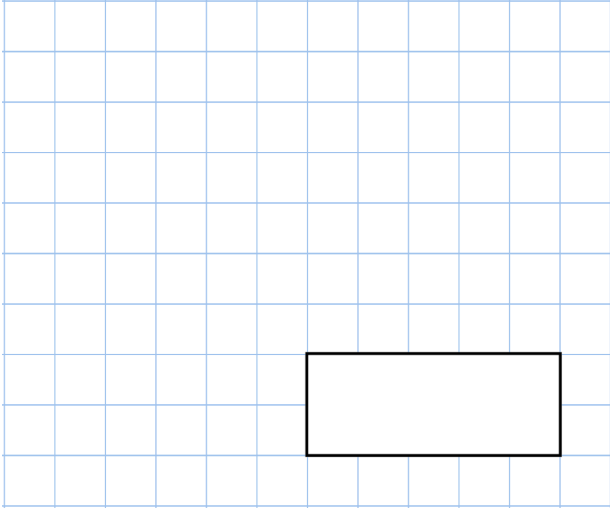


Calculate the missing length on the cuboid, y.



13th November

$$2,716 \times 27$$

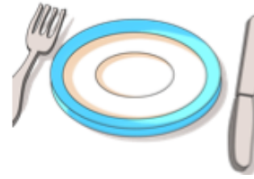


$$90 \overline{) 905580}$$

Gregory and his family go for a meal while on holiday in Florida.

They are told it is normal to tip 15%.

The meal costs \$90.
Gregory tips \$12, is this enough?



Josie and Kirsty each get the same pocket money.

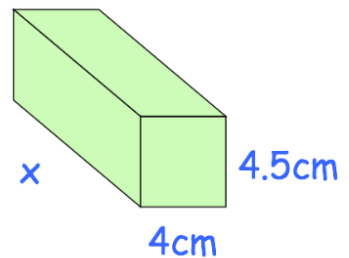
Josie spends 90% of her pocket money.
She has £0.50 left.

Kirsty spends 40% of her pocket money.

How much does Kirsty have left?

Find the length of this cuboid

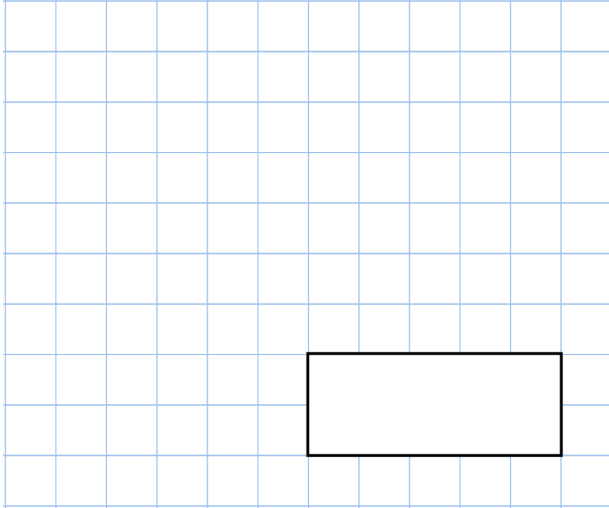
Volume: 432cm³



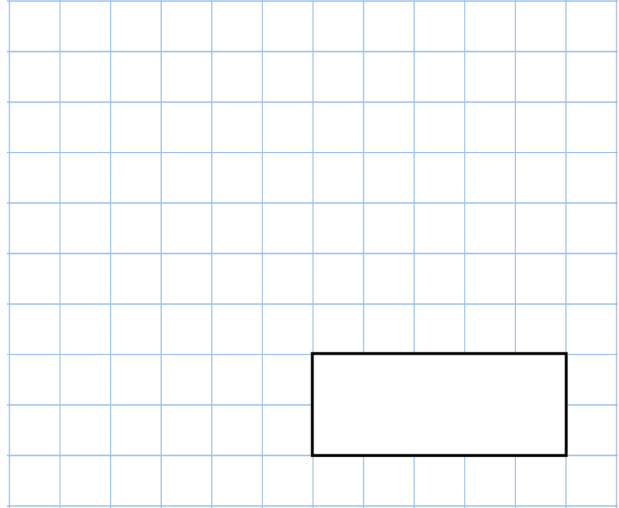


14th November

$$15.74 \times 6$$



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



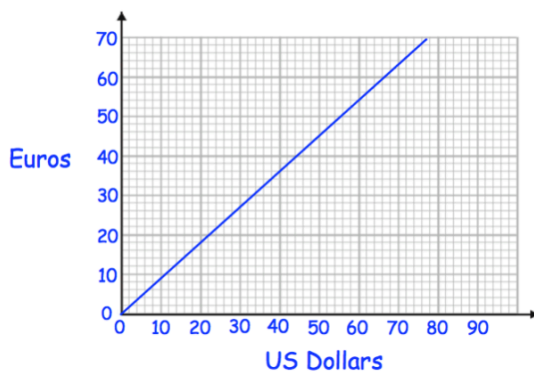
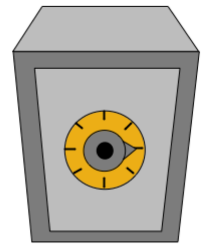
Charlie's password is made up of six **different** digits.

He remembers it as two 3-digit numbers.

The first 3-digits is a square number between 100 and 200.

The second 3-digits is a cube number between 100 and 200.

List all his possible passwords



Change \$40 into Euros (€)



15th November

$396 \div 22$

Grid for calculation with an empty rectangular box at the bottom for the answer.

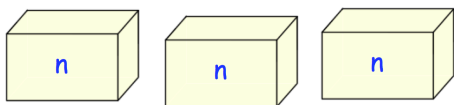
0.7×400

Grid for calculation with an empty rectangular box at the bottom for the answer.

A chocolate bar weighs 70g.
A special edition bar weighs an extra 35%.
Work out how much the special edition bar weighs.



Megan has three boxes.
Each box contains n beads.

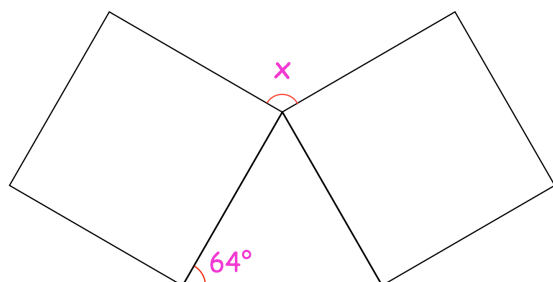


She puts all her beads together and then adds 2 more beads.

Write down how many beads Megan has?

Here is an isosceles triangle and two squares.

Find x

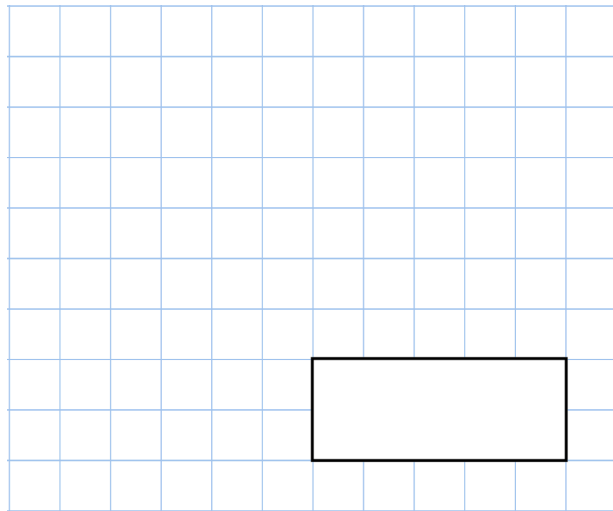
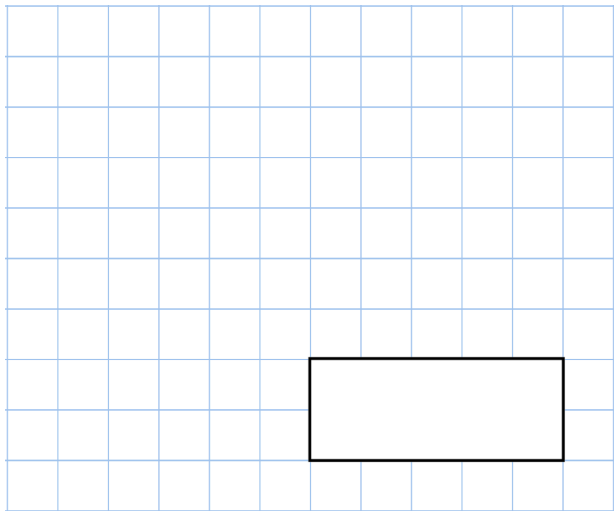




16th November

$$\frac{7}{8} - \frac{2}{5}$$

14% of 700



Ava has 24 crates of oranges.
 Each crate weighs 43.1 kilograms.
 Ava's van can hold up to **one tonne**.
 Will the van be able to carry all 24 crates?



Draw a 250° angle

At the end of a film, the year is given in Roman numerals as MMXV

Write the year MMXV in figures.



17th November

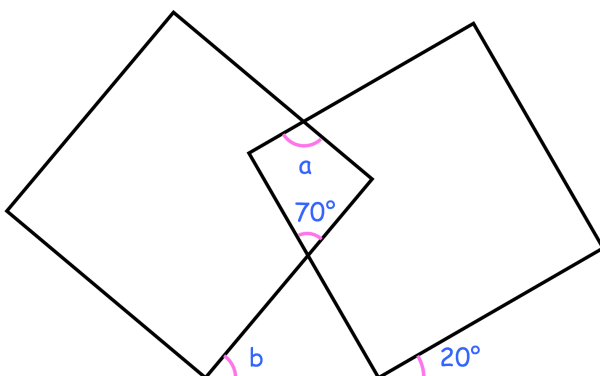
$$1\frac{3}{10} - \frac{5}{6}$$

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

$$w = 3 \quad \text{and} \quad y = 19$$

Work out $9w - 2y$

This diagram shows a straight line and two overlapping squares.

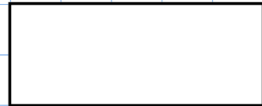
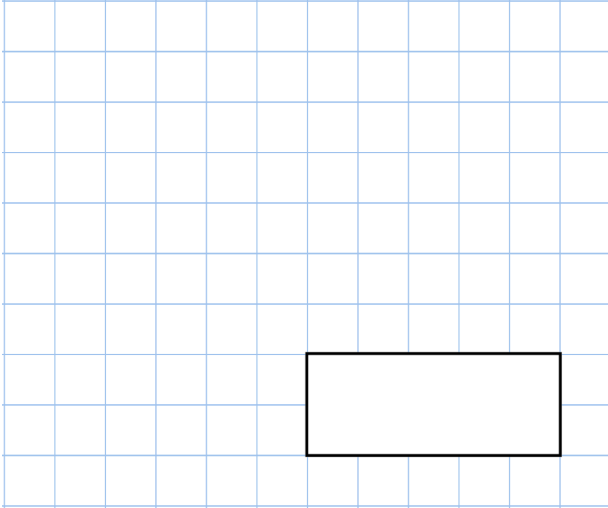


Find the size of angle a

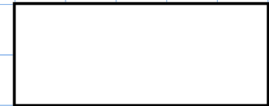
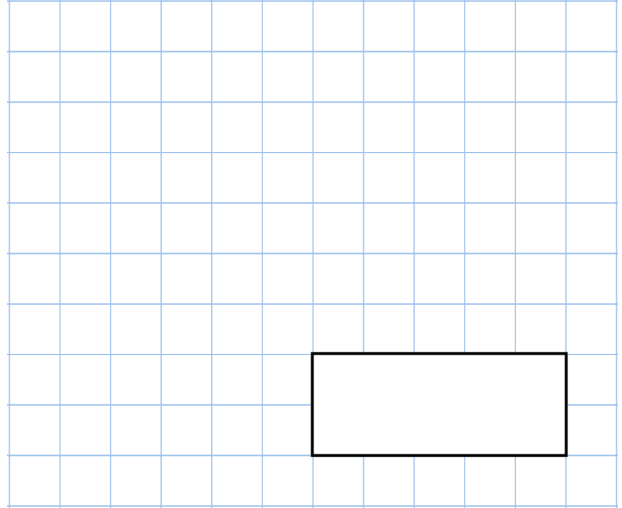
Find the size of angle b

**18th November**

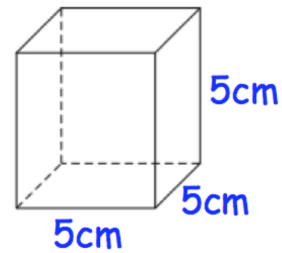
$$0.34 \times 62$$



$$85\% \text{ of } 240$$



Work out the volume of the cube.

Work out the value of u

$$4u - 5 = 27$$

Katie has a pet dog, Maxi.

Maxi eats **two-thirds** of a can of dog food each day.

How many cans of dog food should Katie buy to last three weeks?

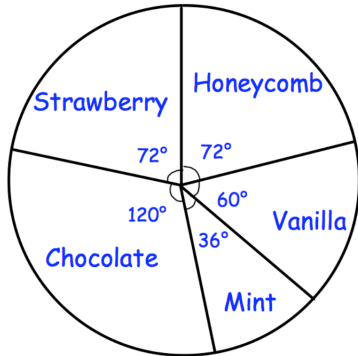




19th November

$$\frac{9}{20} \div 3$$

$$0.062 \times 1,000,000$$



The pie chart shows the flavours of 270 ice creams sold.

How many chocolate flavoured ice creams were sold?

Last week Dara read $\frac{3}{5}$ of his book.

This week he read the **other** 120 pages to finish his book.

How many pages are there in Dara's book?

Find the value of y in this equation

$$8 + 2y = 80 - 6y$$



20th November

$$3^4$$

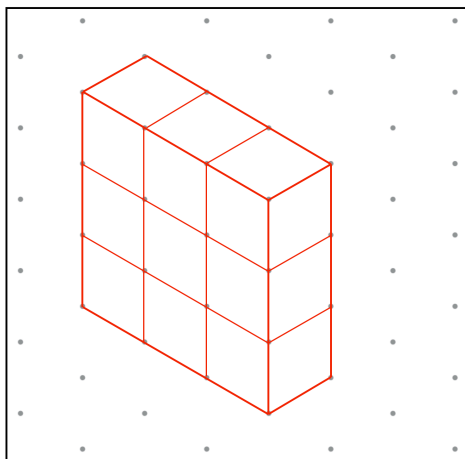
$$\begin{array}{r} 3189 \\ \times \quad 24 \\ \hline \end{array}$$

In 2018, a Zoo had 600,000 visitors.

40% of the people visited in July.
25% of the people visited in June.

How many people visited the Zoo in the rest of the year?

Ethan uses nine cubes to make a cuboid.



He then removes three cubes, leaving the other cubes where they are.

Draw what the new shape could be



21st November

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

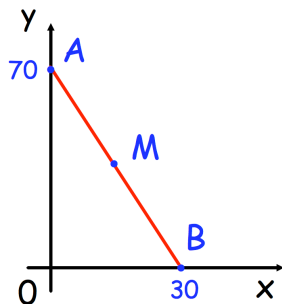
$$\frac{1}{3} = \boxed{} \%$$

James says that a triangle is right angled.

Olivia says that the same triangle is isosceles.

They are both correct.

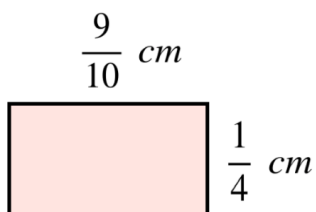
Explain how.



In this diagram M is an equal distance from A and B.

What are the coordinates of M?

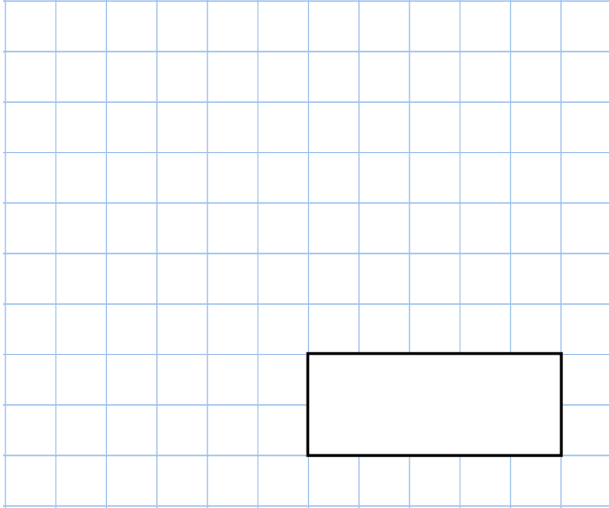
Work out the perimeter of this rectangle



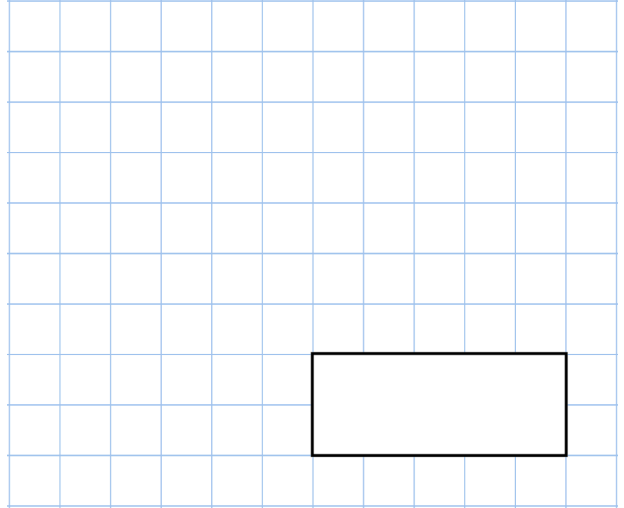


23rd November

$$0.85 \times 20$$

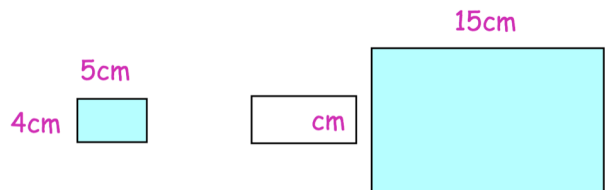


$$\frac{23}{30} - \frac{1}{4}$$



Here are two similar rectangles.

Work out the missing length.



In a season, Torquay United

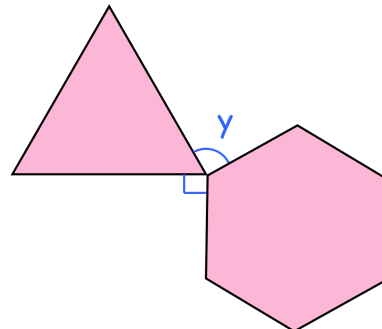
Win 55% of their matches

Draw $\frac{1}{3}$ of their matches

What fraction of their matches did Torquay United lose?

Shown is an equilateral triangle and a regular hexagon.

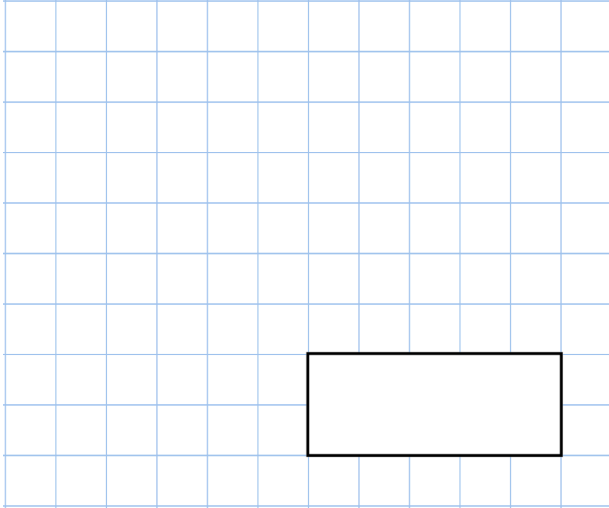
Find y .



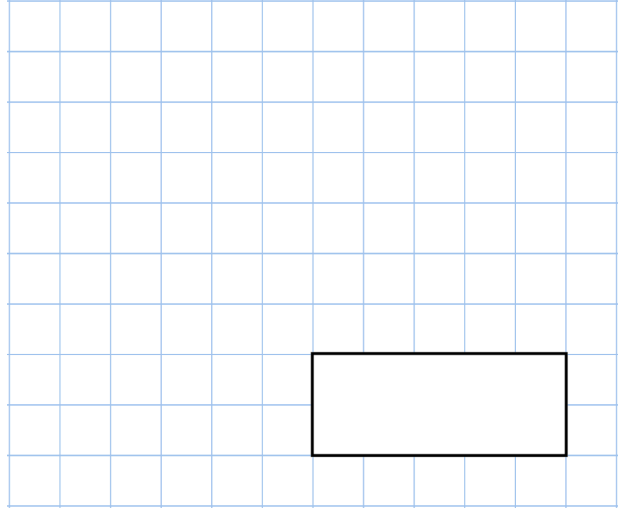


24th November

$$2,625 \div 105$$



$$1.04 \times 72$$



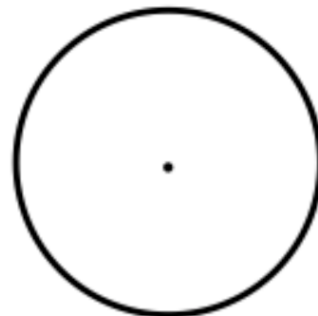
Esme says that

$$36 + 8 \div 4 = 11$$

Is Esme correct?

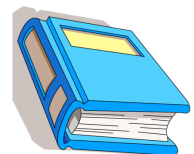


Draw the radius



Seamus Heaney was born in the year 1939.

Write 1939 in Roman numerals





25th November

$4 \div 5$

$80 - 16 \div 8$

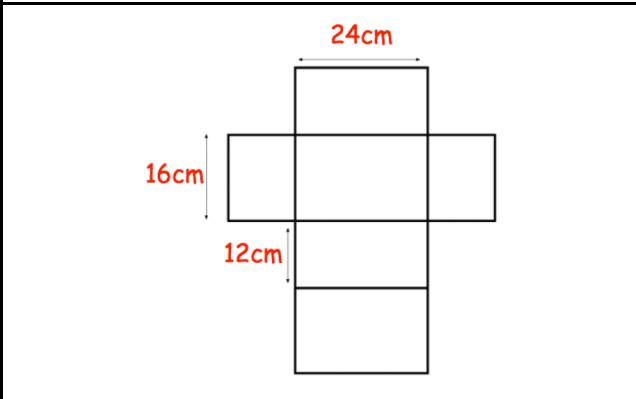
For every 5 50p coins, Laura has 3 £2 coins.

Laura has £10 in 50p coins.

How much money does Laura have altogether?

Shown is the net of a cuboid.

Work out the volume of the cuboid.



Flower pots normally cost £4 each.

Laura wants to buy 30 flower pots.

Gardenbase
20% off

Lawn Factory
Buy 5 get 2 free

Which shop should Laura buy them from?



26th November

$$\frac{13}{20} = \boxed{} \%$$

$$\frac{7}{20} \times 6,880$$

$$\boxed{} \%$$

$$\boxed{}$$

Barry and Harry go for a meal.

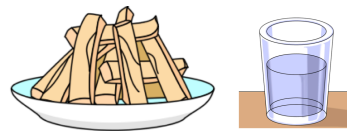
Barry's food costs £9.80 and his drink costs £3.80.

Harry's food costs £9.20 and his drink cost £3.55.

They have a voucher that gives 20% off their food, but **not** the drinks.

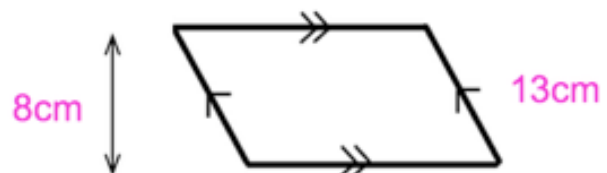
They also pay a £5 tip.

Barry and Harry share the cost equally.
How much does each person pay?



The perimeter of this parallelogram is 60cm

Find the area.





27th November

$$1\frac{1}{10} - \frac{5}{6}$$

A 10x10 grid with a rectangular box at the bottom right for the answer.

$$1,161 \div 43$$

A 10x10 grid with a rectangular box at the bottom right for the answer.

Round 3.92314 to 2 decimal places

Round 3.92314 to 3 decimal places

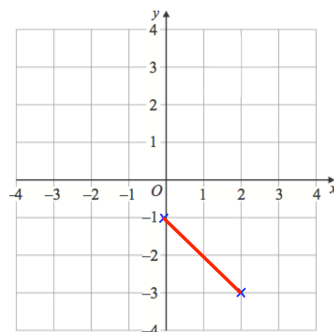
Georgia and Emma share 40 sweets in the ratio 2:3.

How many sweets does Emma get?



On the grid is one side of a quadrilateral with 3 acute angles.

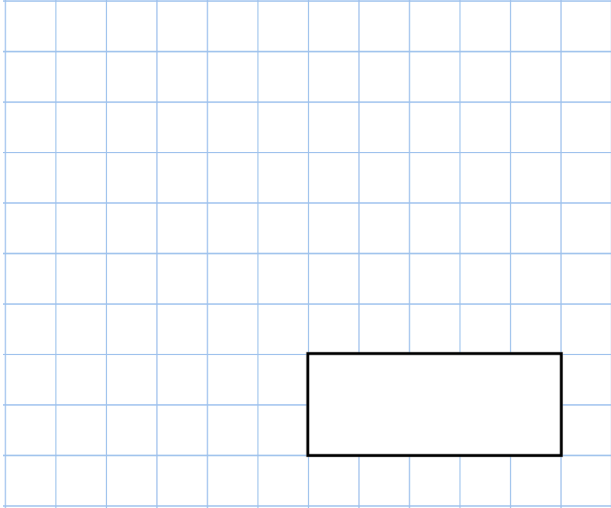
Complete the quadrilateral



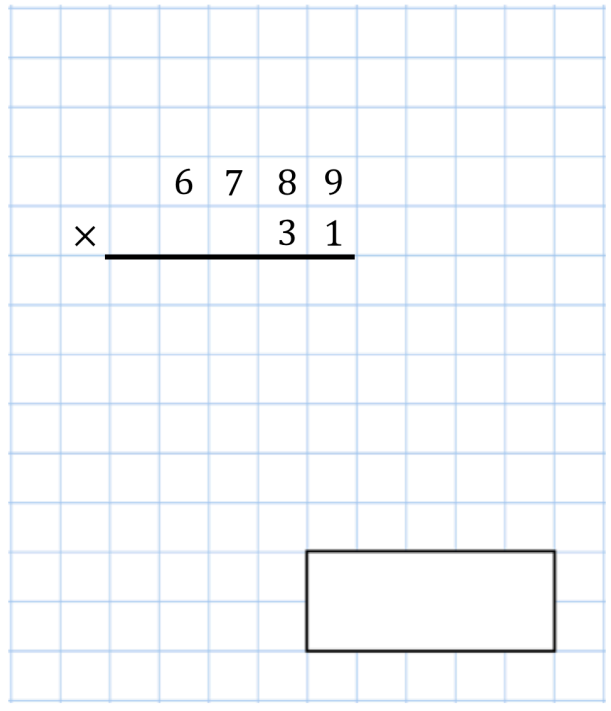


29th November

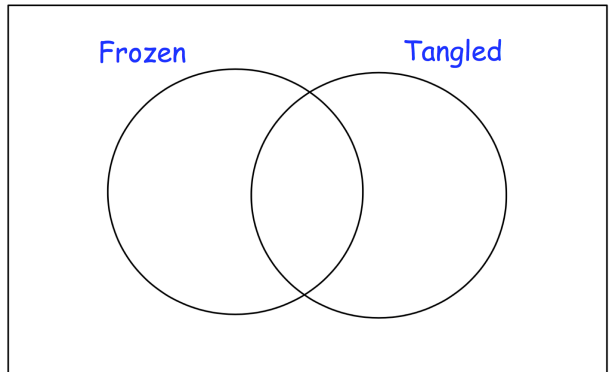
1.9×46



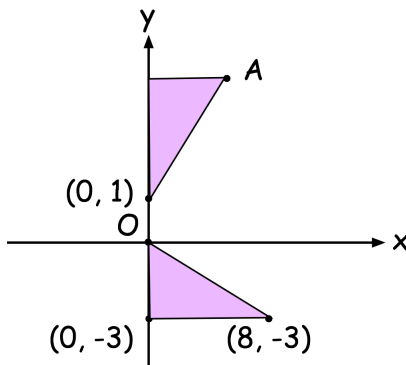
$$\begin{array}{r} 6 \ 7 \ 8 \ 9 \\ \times \quad \quad 3 \ 1 \\ \hline \end{array}$$



There are 90 children in Year 6.
 23 children have watched both the films Frozen and Tangled.
 30 children have watched Tangled.
 Twice as many children have watched Frozen than Tangled.
 How many children have not watched Frozen or Tangled?



The two triangles are identical.
 Find the coordinates of point A





30th November

$1,755 \div 65$

Grid area for working out 1,755 ÷ 65. Includes a rectangular box for the final answer.

$2^3 \times 3^2$

Grid area for working out 2³ × 3². Includes a rectangular box for the final answer.

Brandon has completed his maths homework. Can you spot any mistakes?

Find the highest common factor of 18 and 36

Factors of 18: 2, 3, 6, 9

Factors of 36: 2, 3, 4, 6, 9, 12, 18

HCF = 9

Find the fraction halfway between

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

An isosceles triangle has one angle of 44°

Write down the possible sizes of the other two angles in the triangle.

Pair 1 and

Pair 2 and