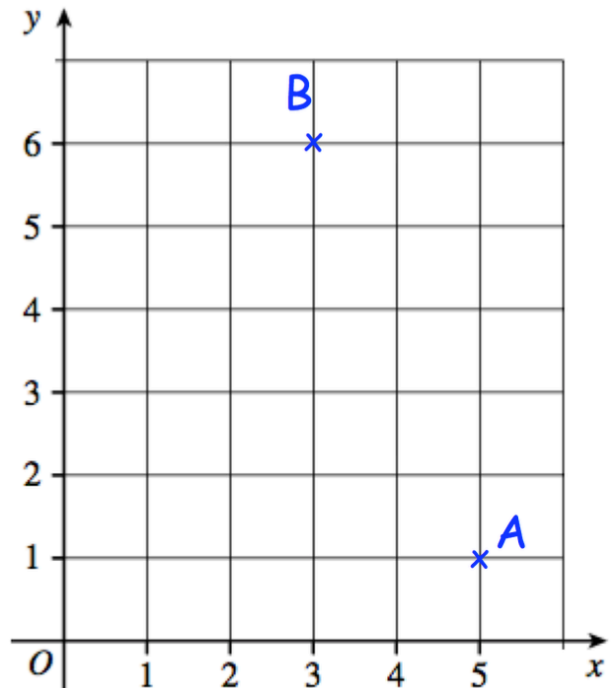**1st July**

Simplify $\dfrac{25}{50}$

15^2

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

Write the coordinates of point C.

Draw triangle ABC and draw any lines of symmetry

Two of the angles in a triangle are 65° and 50°

Nancy says "**The triangle is equilateral.**"

Explain why Nancy is **not** correct

2nd July

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

$$\frac{1}{2} + \frac{3}{10}$$

Holly is saving money for a guitar that costs £50
In January, she saves £20.90
In February, she saves £7.72
In March, Holly saves £12.39

Work out how much more money does Holly need to save?

Work out the mean of these numbers

150   216   84

Round 419,527 to the nearest 1,000
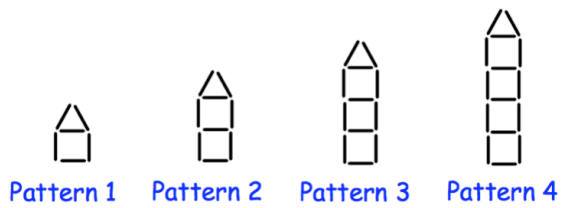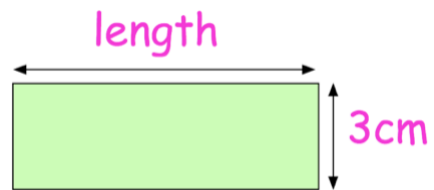
Round 419,527 to the nearest 100
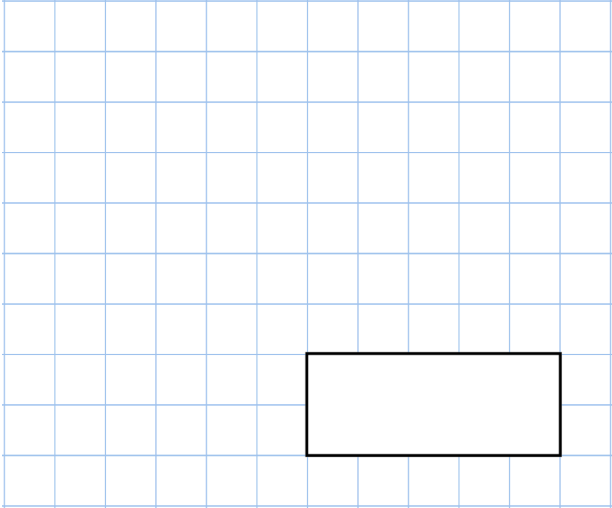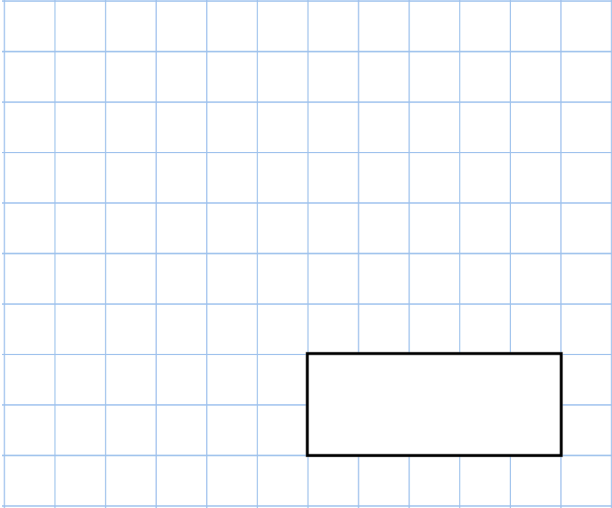
3rd July

$6,000 \times 1,000$

25% of $1,304$

The area of this rectangle is 24cm²

Work out the length of the rectangle

length

3cm

Pattern 1   Pattern 2   Pattern 3   Pattern 4

Draw Pattern 5

How many sticks will be in Pattern 6?

4th July

$$\frac{2}{\boxed{}} = \frac{26}{65}$$

$2387 \div 7$

Find the mean of this set of numbers

6, 6, 8, 10, 15

Hannah says

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

Is Hannah right?

A cake weighs 800g.
40% of the cake is sugar.

Work out how many grams of sugar are in the cake.

5th July

8^2

91×66

Ava bought three cups of coffee.

She pays with a £20 note.
Her change is £12.44

What is the cost of **one** cup of coffee?

Write down three **even** square numbers

Oscar spent $\frac{1}{4}$ of his pocket money on a ticket for a rugby match.

He spent $\frac{1}{12}$ of his pocket money on a scarf

What fraction of his pocket money has Oscar spent?

6th July

$$\square^2 = 16$$

$$\frac{3}{8} + \frac{1}{4}$$

Over 20 days in February, it was dry on 12 days.

What fraction of the days were rainy? Simplify your answer

Grapes cost £4.40 per kilogram
Blueberries cost £9 per kilogram

Work out the **total cost** of 250g of grapes and 100g of blueberries
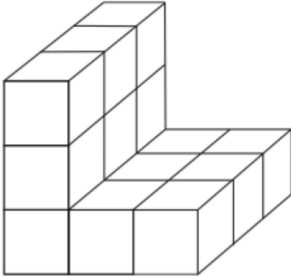
Write the number 400 in Roman numerals

7th July

Simplify $\dfrac{6}{8}$

$7 \times 18 \times 12$

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

Find the volume of the shape

Jackie buys 8kg of flour.

She is making pizzas that each need 300g of flour.

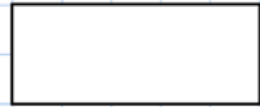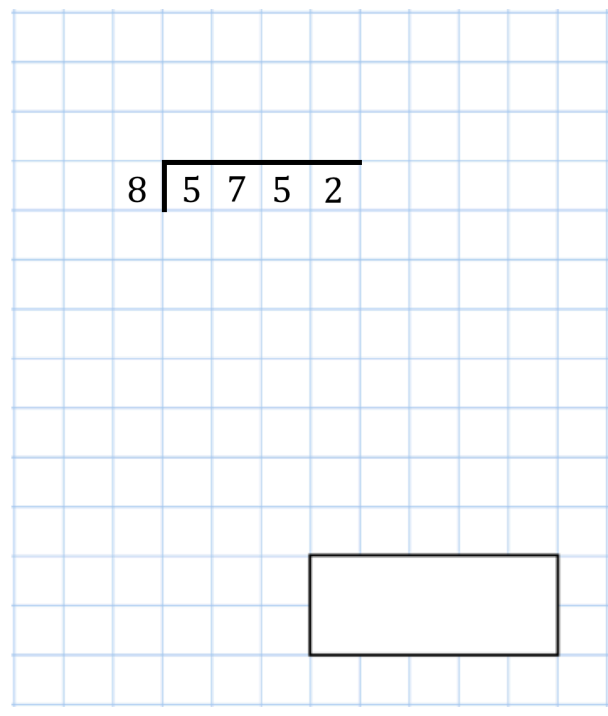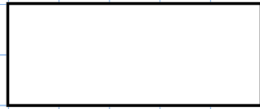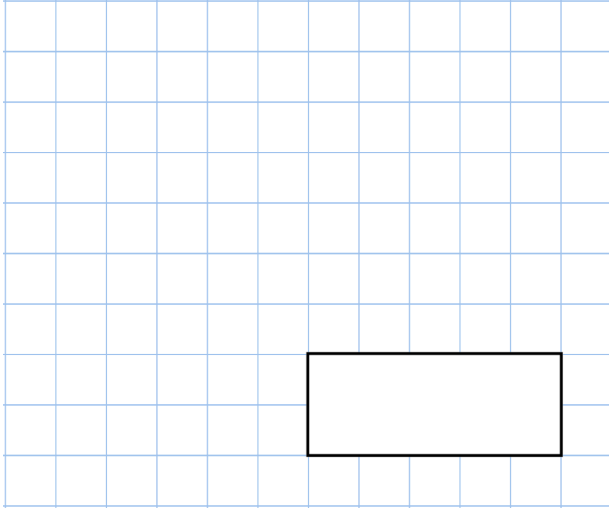What is the maximum number of pizzas that Jackie can make?

How much flour will Jackie have left?

8th July

0.405×10

8 | 5 7 5 2

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

Work out the area of the field

Work out the perimeter of the field

A bottle of cola holds 3 litres.

How many 120 millilitre glasses can be
poured from the bottle?

9th July

$$70\% = \frac{\Box}{\Box}$$

$$\frac{8}{9} - \frac{1}{3}$$

Write down the number that is
one thousand less than **three million**

Triangle B has been translated to
Triangle A
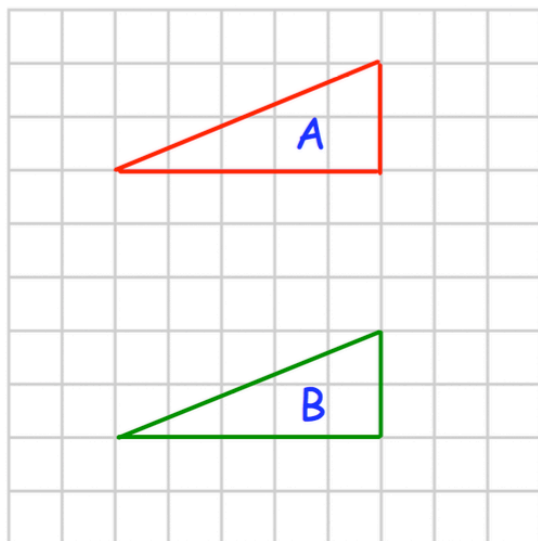
Complete this sentence

Triangle B has been translated

☐ squares to the right and

☐ squares upwards

Translate triangle B 1 squares left and
2 squares upwards

10th July

5 3 2 7 3 + 2 9 7 1 8	$75 \times 11 = 999 - \boxed{}$

Clara runs 0.9 kilometres every day.
Work out how far Clara runs in one week

Give your answer in metres

Circle the number in the wrong position

square numbers   even numbers

25   8   12

7

Darcie chooses a whole number

She divides it by 4 and then multiples by 2

She then subtracts 15 from this result.

Her answer is -9

What was the number she started with?

11th July

Simplify $\dfrac{24}{36}$

75% of 144

How many seconds are there in an hour?

How many hours are there in January?

These patterns are made of sticks
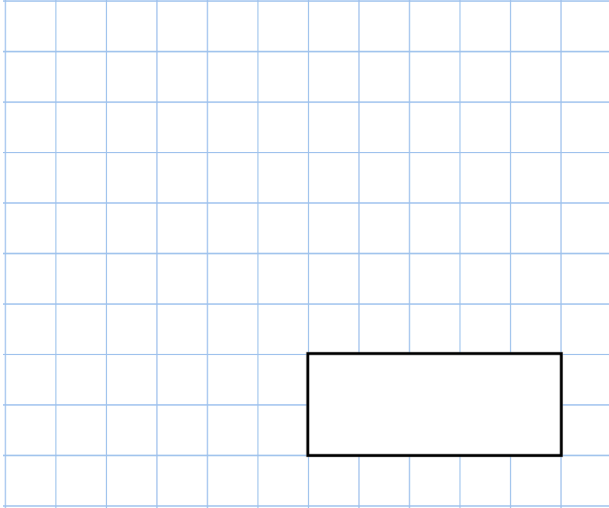
Pattern 1   Pattern 2   Pattern 3

Draw Pattern 4

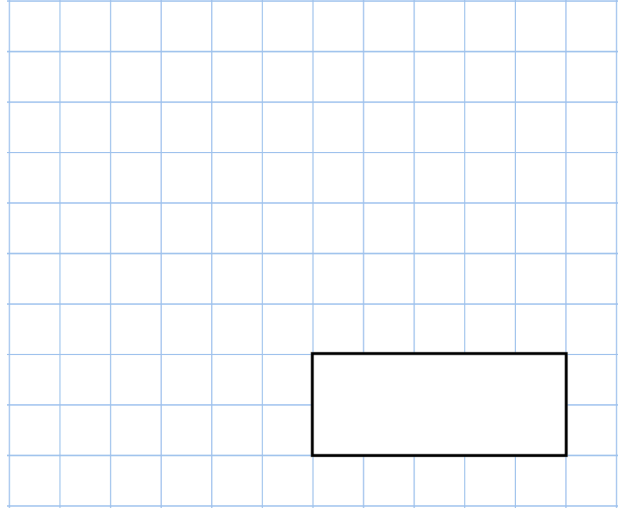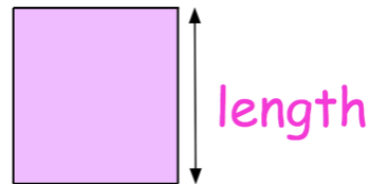Find the number of sticks in Pattern 6

12th July

11^2
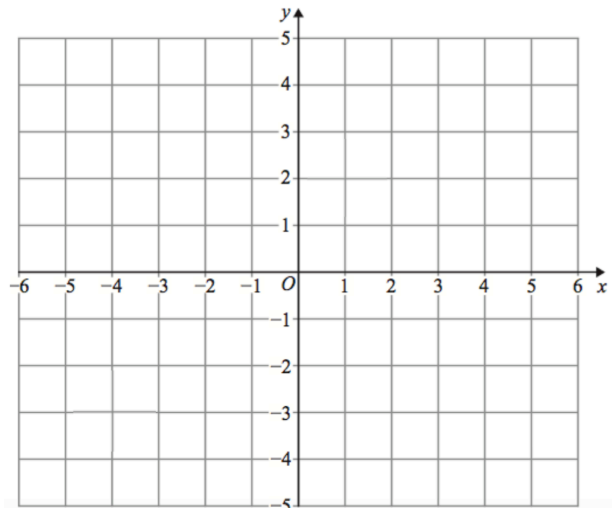
85×37

The area of this square is 36cm²

Work out the length of each side of the square

length

Kim is drawing a parallelogram on the grid. She plots three points.

$(-2, 3)$ $(-1, -2)$ $(4, 3)$

Plot these points

Kim has one more point to plot.

Write down the coordinates of the fourth vertex of the parallelogram
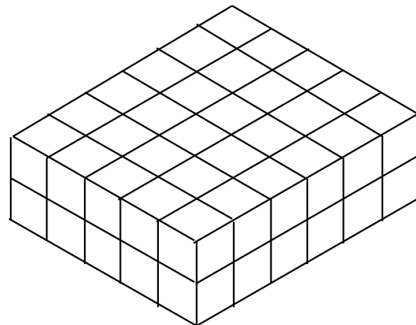
13th July

$$\frac{1}{5} = \boxed{ \%}$$

$$5.61 - 3.77$$

$\boxed{ \%}$

$\boxed{}$

Write down all the square numbers between 10 and 40

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

Work out the volume of the cuboid

Draw a 80° angle

14th July

$5{,}328 \div 6$

$2 \times \dfrac{4}{9}$

Which is larger?

0.7 or $\dfrac{3}{4}$

Explain your answer

George works in a cinema.

This table shows how much he is paid per hour

Day	Rate of Pay
Monday to Friday	£9 per hour
Weekend	£12 per hour

Last week George worked 30 hours in total.
He worked 16 of the hours during the week.

How much was George paid in total?

15th July

$1.7 \div 100$

8^3

Brendan earns £14 an hour.

He works 16 hours in one week.

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

How much money does he give to his mum?

Write down all the factors of 40

In a bag there are green, white and blue counters.
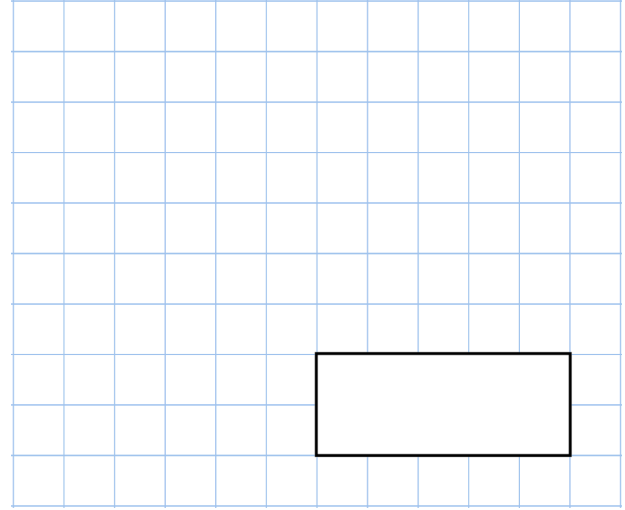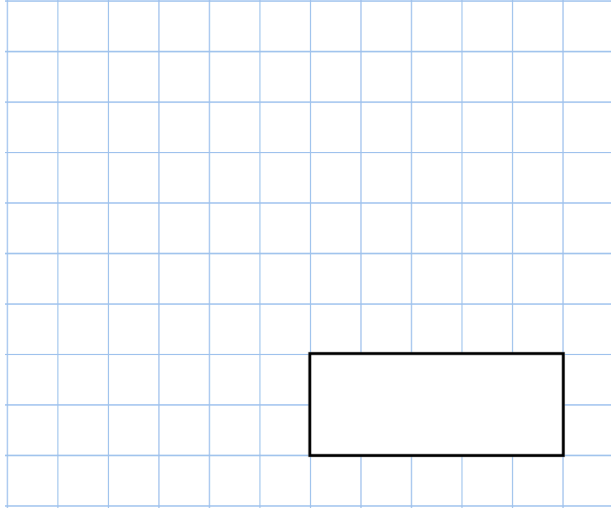
$\dfrac{1}{3}$ of the counters are green

$\dfrac{2}{9}$ of the counters are white

What fraction of the counters are blue?

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www.corbettmaths.com

16th July

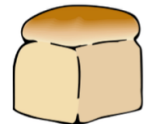$$2\frac{7}{8} = \frac{\square}{8}$$

40% of 200

At the start of May, there were 6,886 toys in a shop.
During May,
9,538 more toys were delivered
11,736 toys were sold

How many toys were left in the shop at the end of May?

Karl is baking a loaf of bread and needs 0.9 kg of flour.

He has 85 grams of flour.

How much more flour does Karl need?
Give your answer in grams.

Tia, Emily and Olivia share some sweets.

Tia has twice as many sweets as Olivia.
Emily has four times as many sweets as Tia.

If Olivia has 8 sweets, how many sweets do they have altogether?

17th July

4^2

$1.2 \div 100$

The cost of hiring a bouncy castle is found by

£15 x number of hours

Dylan hire the bouncy castle and the cost is £135

How long did he hire the bouncy castle for?

In a quiz, each correct answer is worth 7 points and each wrong answer is worth -6 points.

A team answers 9 answers correctly and 6 answers incorrectly.

What is the team's final score?

✔ ❌

Work out the **difference** between the **sum** of 55 and 7 and the **product** of 17 and 18
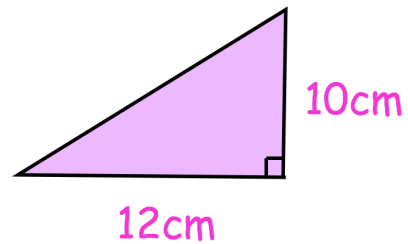
18th July

$0.08 \times 1,000$

6 0 | 1 4 4 0

Round 371,527 to the nearest 10,000

Round 371,527 to the nearest 1,000

Find the area of this triangle

10cm

12cm

3,100 people watched a match between Rovers and City.

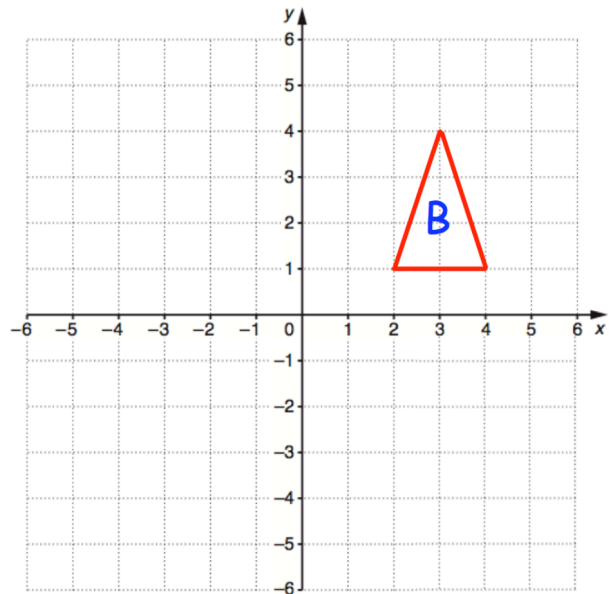10% of the fans are children

How many fans are adults?

19th July

$-4 + 51$

4^3

How many hours are there in the month of November?

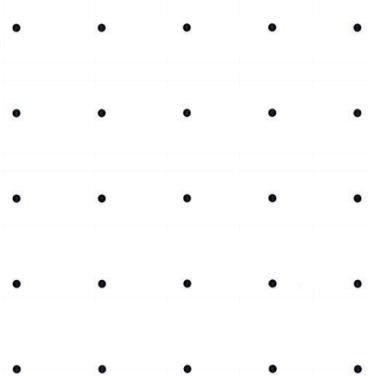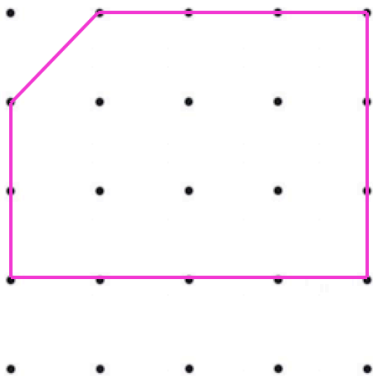Reflect triangle B in the x-axis

Plot the point $(-4, -3)$

20th July

$3^{\square} = 27$

$\dfrac{2}{3} + \dfrac{1}{6}$

Change 1.4 litres into millilitres

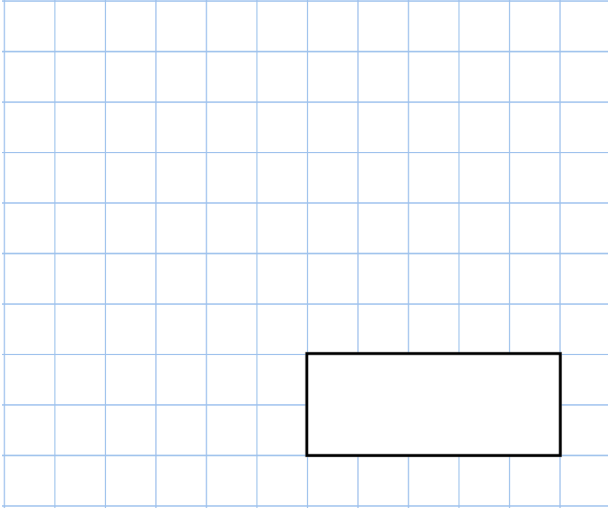Change 56 centimetres into metres

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Paul draws this shape on a grid
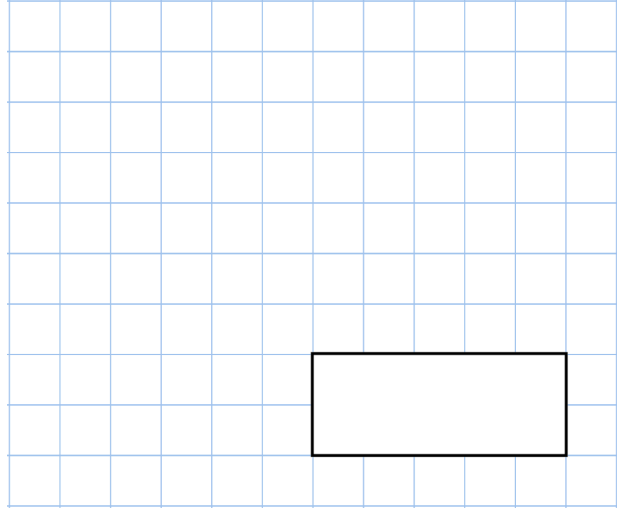
He turns his grid one quarter turn clockwise

Draw the shape in its new position after the turn
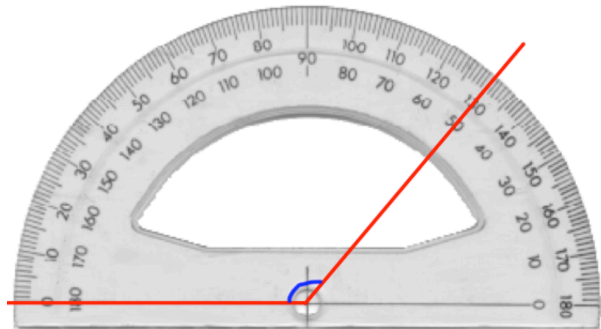
     www.corbettmaths.com

21st July

$8 \div 100$

$5,067 \times 7$

What size is the angle being measured?

A theatre as 75 rows.
There are 24 seats in each row.

During a show at the theatre, there are 180 empty seats

Work out how many people are watching the show
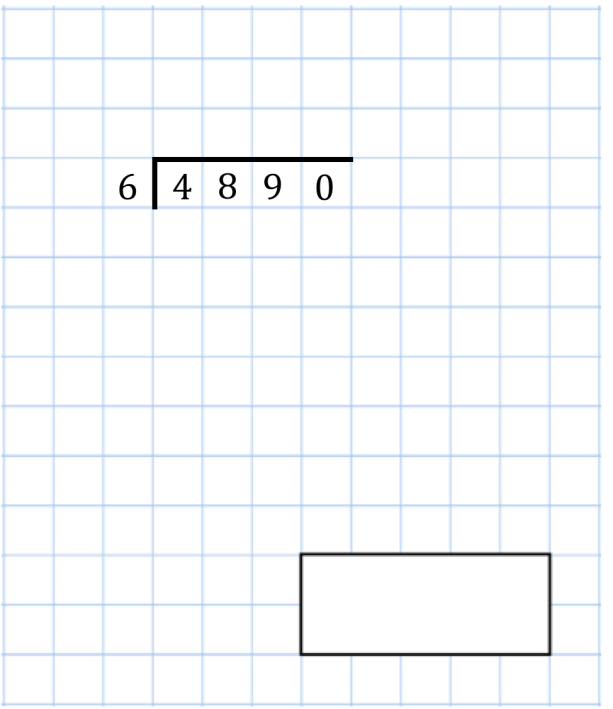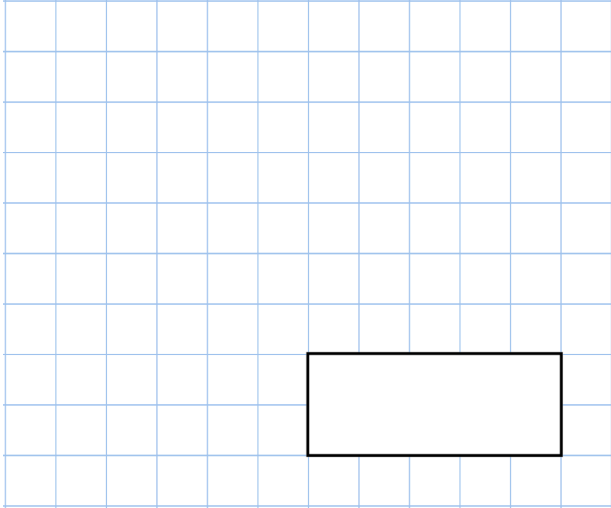
Here is a number written in Roman numerals

CXXIX

Write the number in figures

22nd July

50% of 28

6 | 4 8 9 0

A bus leaves Antrim Bus Station every 15 minutes.
A train leaves Antrim Train Station every 18 minutes.

At 8am a bus and a train leave the stations at the same time.

When is the next time that a bus and a train leave at the same time?

Jemima receives £5 pocket money.

She spends £3.

What percentage of the £5 does she have left?

A **square** number and a **prime** number have a total of 17

What are the two numbers?

☐ **+** ☐ **= 17**

square number   prime number

23rd July

Simplify $\dfrac{20}{50}$

$$\begin{array}{r} 8\ 7\ 5\ 9\ 1 \\ +\quad 8\ 6\ 6\ 9\ 6 \\ \hline \end{array}$$

The area of the rectangle is 300cm²

Work out the width of the rectangle

25cm

width

Connie prints booklets that each have 100 pages.

In total, she prints 70,000 pages.

How many booklets did Connie print?

Shannon writes down three **different** factors of 36.

She adds her three numbers together.

The answer is greater than 30 but less than 35.

What three number could Shannon have written down?

24th July

$$6\frac{5}{6} = \frac{\boxed{}}{6}$$

```
      8 7
×     5 4
  _____
```

At 1pm the temperature in York was 20°C
At 3am the temperature was −6°C

By how many degrees did the temperature fall?

Each cube has a volume of 1cm³

Write down the volume of the cube

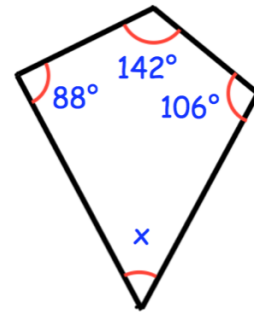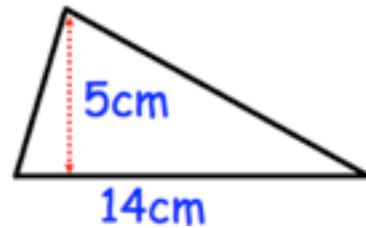Find the size of angle x

142°
88°
106°
x

25th July

$$-15 + 26$$

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

Work out the area of this triangle

5cm

14cm

Find a multiple of 4 and a multiple of 5 that add up to make a multiple of 6.

☐ **+** ☐ **=** ☐

multiple of 4   multiple of 5   multiple of 6

Mr McClean wants to hire a taxi.
He rings three different taxi companies and asks them for their prices.

A1 Taxis: A 5 mile journey costs £15
Crazy Cabs: A 4 mile journey costs £13
Value Cars: A 10 mile journey costs £28

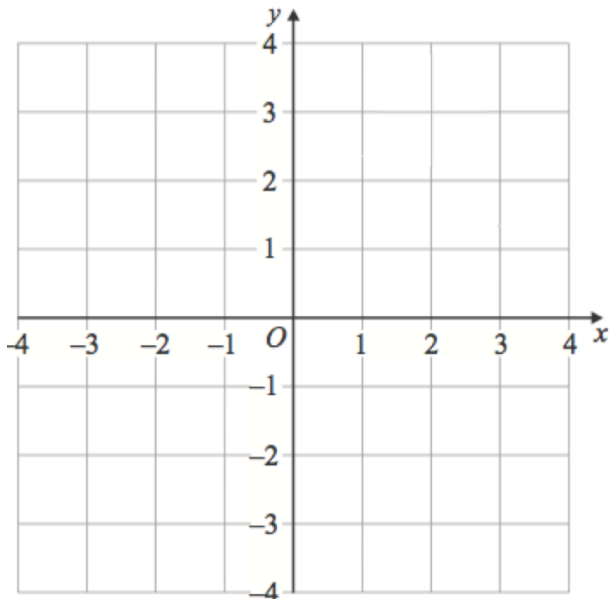Order the taxi companies from best to least value for money.

26th July

$$\frac{7}{8} = \frac{\square}{96}$$

```
    3  0  0  0  8
 -  1  1  3  0  1
```

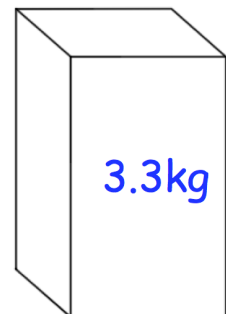A is the point (2, −3)
B is the point (−4, 1)

Plot the points A and B

What is the special name of the point (0, 0)?

A box contains 3.3kg of rice.

Laura uses 55 grams of rice for each meal.
She uses all the rice.

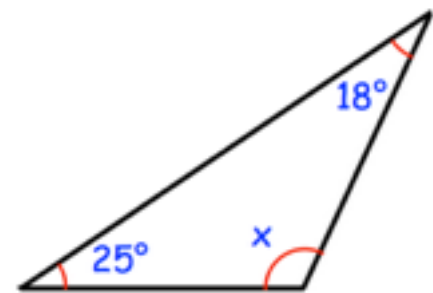How many meals did Laura make?

3.3kg

27th July

$$\frac{55}{7} = 7\frac{\Box}{7}$$

$$303 \times 44$$

Calculate the size of angle x

Find two different prime numbers with a total of 15.

$$\boxed{} \; + \; \boxed{} \; = 15$$

prime number   prime number

Hannah finished a 10 kilometre race in 42 minutes 16 seconds.

Fiona finished 3 minutes 40 seconds **before** Hannah.

How long did Fiona take?

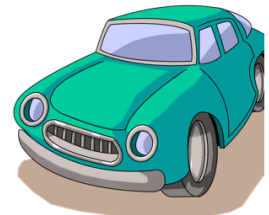| min   sec |

28th July

$0.15 =$ | % |

       %

7^3

Write down all the **common factors** of 12 and 20

Kevin has £5000

He spends 15% of his money on a car.

How much does Kevin spend on the car?

Patrick buys five football tickets.

Three of his tickets cost £40
The other two tickets cost £50

What was the **mean** cost of the tickets?

29th July

$2 - 38$

$\dfrac{3}{10} + \dfrac{2}{5}$
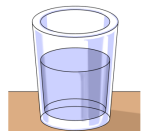
A farmer is packing trays of apples.

Each tray holds 8 apples.
The farmer has 1,115 apples.

How many trays can the farmer fill?

How many apples will be left over?

There are 16 pupils in a class.

The teacher has 7 litres of water.

She pours 140 millilitres of water for every pupil.

How much water is left over?

30th July

Simplify $\dfrac{40}{60}$

$0.7 = \dfrac{\square}{\square}$

Gareth wants to use a mental method to calculate 764 + 96

He starts with 764

Here are some methods that Gareth could use.

Tick the methods that are **correct**

add 90 then add 6   ☐

add 90 then add 4   ☐

add 100 then subtract 4   ☐

add 100 then subtract 6   ☐

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

$\dfrac{2}{3}$ $\dfrac{4}{9}$ $\dfrac{6}{10}$

31st July

$$\frac{1}{7} \times 4$$

$$4,832 \times 6$$

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

108,205   108,105   108,005

What is the next number in the sequence?

Tick the two numbers that are equivalent to $\frac{1}{5}$

$\frac{10}{50}$ ☐

20%   ☐

0.15   ☐

15%   ☐

A box contains trays of apples.

There are 12 apples in a tray.
There are 4 trays in a box.

A shop buys 20 boxes of apples.

How many apples does the shop buy?