

Name: \_\_\_\_\_

Primary 5-a-day

Platinum

1st June



$$630 \div 18$$

$$8 + 16 \div 4$$

Grid for calculation of  $630 \div 18$ . Includes a rectangular box for the answer.

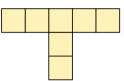
Grid for calculation of  $8 + 16 \div 4$ . Includes a rectangular box for the answer.

Here is a sequence of patterns

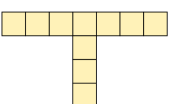
How many squares are in Pattern 4?



Pattern 1



Pattern 2



Pattern 3

How many squares are in Pattern 7?

Find the value of  $c$  in the equation

$$39 - 7c = 25$$

Name: \_\_\_\_\_

Primary 5-a-day

Platinum

1st June



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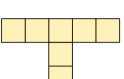
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Here is a sequence of patterns

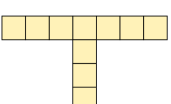
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



2nd June

1 9 | 3 2 3 0

$10^4$

Miss Rodgers is buying rulers.

20 rulers cost £5.20

10 rulers cost £3.15

1 ruler costs 65p

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	17
2	20
3	23
4	26

Complete the rule for the number pattern

$$b = \square \times a + \square$$

Find the highest common factor (HCF) of 16 and 24.

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



2nd June

1 9 | 3 2 3 0

$10^4$

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Name: \_\_\_\_\_

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Platinum



3rd June

$$3\frac{1}{5} \times 30$$

<input type="text"/>

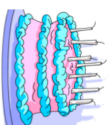
$$4.5 \div 90$$

<input type="text"/>

A cake weighs 850g.

40% of the cake is sugar.

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



$m$  is a whole number.

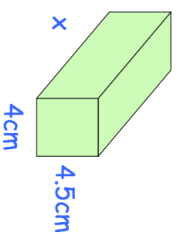
$6m$  is greater than 40

$10m$  is less than 120

Write all the numbers that  $m$  could be

Find the length of this cuboid

Volume:  $432\text{cm}^3$



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



3rd June

$$3\frac{1}{5} \times 30$$

<input type="text"/>

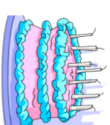
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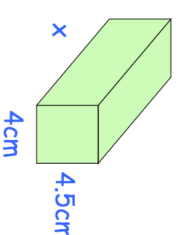
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



4th June

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

<input type="text"/>

30% of 19

<input type="text"/>

Add these signs to make the calculation correct.

+ - **x** ÷

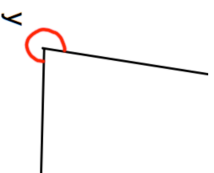
$$5 \square 8 \square 4 \square 2 = 11$$

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

There are 12 red apples in the bag.

How many apples are in the bag?

Measure the size of angle y.



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



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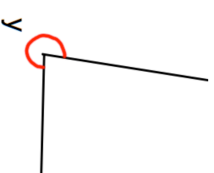
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5th June

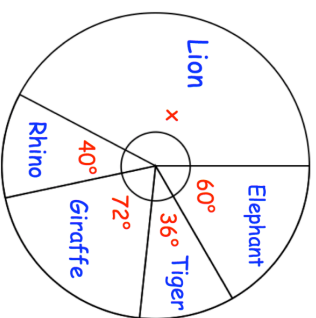
5% of 1,400

<input type="text"/>

 $0.144 \div 9$ 

<input type="text"/>

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



Find the size of the angle x.

What fraction of children liked elephant best?



Farmer Smith has 100 more sheep than Farmer Jones.  
Farmer White has twice as many sheep as Farmer Jones.  
In total there are 2,500 sheep.  
How many sheep does Farmer Jones have?



5th June

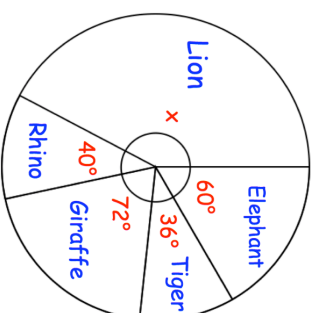
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Primary 5-a-day

Platinum



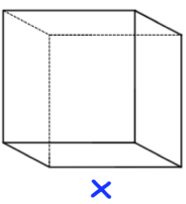
6th June

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

$$62.5\% = \frac{\square}{\square}$$

A cube has a volume of  $64\text{cm}^3$

Find x



Michaela thinks of a number.

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

Her answer equals the number she started with.

What was the number Michaela started with?

$$5,746 \div 17 = 338$$

Explain how you can use this fact to find the answer to  $18 \times 338$

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



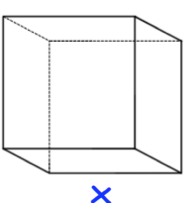
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



7th June

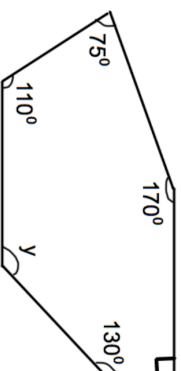
$$90 + 3 \times 2^2$$

<input type="text"/>

$$0.2 \times 2,000$$

<input type="text"/>

Find the size of angle  $y$ .



Circle two numbers that multiply together to equal **100 million**

- 200
- 500
- 1,000
- 2,000
- 20,000
- 100,000
- 200,000

Work out the highest common factor (HCF) of 300 and 120

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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



7th June

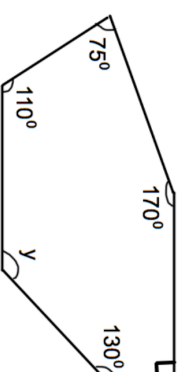
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



8th June

$$825,633 + 57,917$$

$$3041 \times 32$$

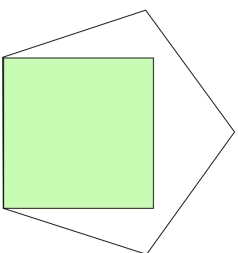
<input type="text"/>

<input type="text"/>

Write 1,850 in Roman numerals

Here is a square inside of a regular pentagon. The perimeter of the square is 18cm.

What is the perimeter of the pentagon?



Eddy had some money.

He spent £1.45 on a drink.

He spent 99p on a packet of popcorn.

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

How much money did Eddy start with?

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



8th June

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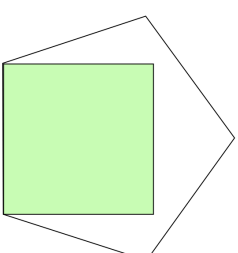
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Primary 5-a-day

Platinum



9th June

$$0.875 = \frac{\square}{\square}$$

$$30.8 \div 100,000$$

Grid area for the first problem with a rectangular box for the answer.

Grid area for the second problem with a rectangular box for the answer.

A factory makes 4,000 bottles of lemonade. Each bottle contains 750 millilitres.

How many litres of lemonade does the factory make?

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

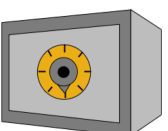
He remembers it as three 2-digit numbers.

The first 2-digits is a square number between 30 and 50.

The second 2-digits is a prime number between 10 and 20.

The third 2-digits is a cube number between 10-99

List all his possible passwords



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



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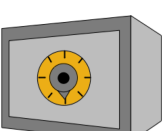
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Primary 5-a-day

Platinum



10th June

$$321^2$$

$$\frac{1}{5} + \frac{2}{3} + \frac{1}{2}$$

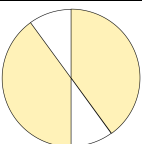
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Find the lowest common multiple (LCM) of 35 and 15.

Find the remainder when 1,520 is divided by 27.

In this circle, each shaded part is  $\frac{3}{7}$  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?



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



10th June

$$321^2$$

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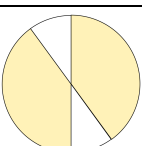
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11th June

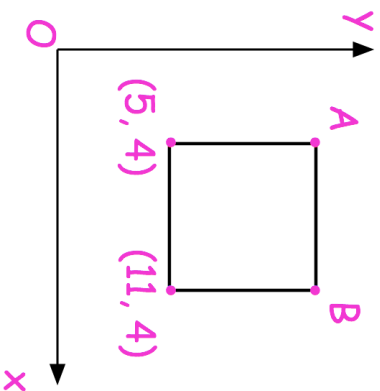
Simplify  $\frac{2050}{7350}$

--

30% of 12

--

Here is a square



What are the coordinates of point A?

--

What are the coordinates of point B?

--

A shop sells drinks.

Harry buys 2 coffees and 1 tea for £7.70

Mia buys 2 coffees and 4 teas for £15.80

How much does one tea cost?



11th June

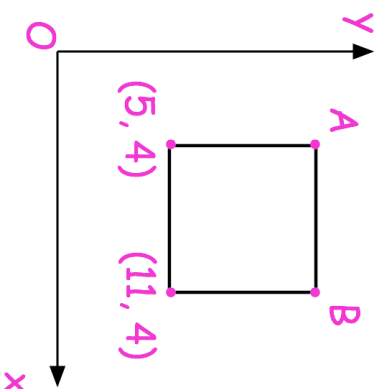
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



12th June

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

$$0.513 \div 6$$

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How many minutes are there in June?

Bradley thinks of a 3D shape.

It has 5 faces. One face is a square and the rest are triangles.

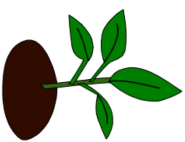
What shape is it?

A gardener plants daffodil bulbs in her garden.

For every 4 yellow bulbs, she plants 5 white bulbs.

She plants 80 white bulbs.

How many bulbs does she plant in total?



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



12th June

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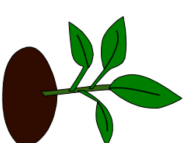
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Name: \_\_\_\_\_

Primary 5-a-day

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13th June

$$4 \frac{10}{5} \times \frac{13}{13}$$

$$1,909 \times 52$$

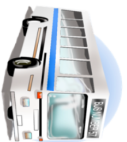
Grid for calculation of  $4 \frac{10}{5} \times \frac{13}{13}$

Grid for calculation of  $1,909 \times 52$

What is 20% of a fifth?

A bus travels 100 miles at a speed of 40 miles per hour.

How long does the journey take?



Tomas is facing South.

He turns  $135^\circ$  anticlockwise.

What direction is he now facing?

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



13th June

$$4 \frac{10}{5} \times \frac{13}{13}$$

$$1,909 \times 52$$

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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



14th June

$$800 - 200 + 40 \times 2$$

$$5^4$$

Grid area for calculation

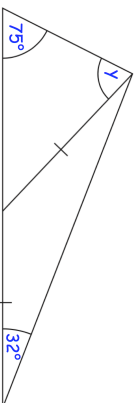
Grid area for calculation

Convert 0.3 tonnes into grams

Anthony and Joseph share £70 in the ratio 2:3.

How much money does Anthony receive?

Find the size of angle y



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



14th June

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Grid area for calculation

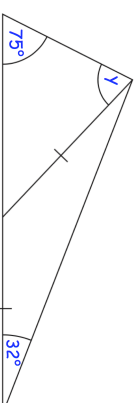
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15th June

$$\frac{5}{6} \times \frac{9}{10}$$

$$96 + 4 \times 5$$

These are the prices for school dinners in a primary school.

£8 will pay for 5 school dinners for one child.  
Work out the cost of one of the school dinners.

### School Dinners

£8 will pay for 5 school dinners for one child.  
£62 will pay for school dinners for 2 children for 20 days.

£8 will pay for school dinners for 20 days for 2 children.  
Work out the cost of one of the school dinners for one child.

Simplify

$$2a + 7b - a + 3b$$

Name: \_\_\_\_\_

Primary 5-a-day

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15th June

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$$2a + 7b - a + 3b$$

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



16th June

$$\begin{array}{r} 17 \\ 697 \\ \hline \end{array}$$

45% of 240

Josie and Kirsty each get the same pocket money.

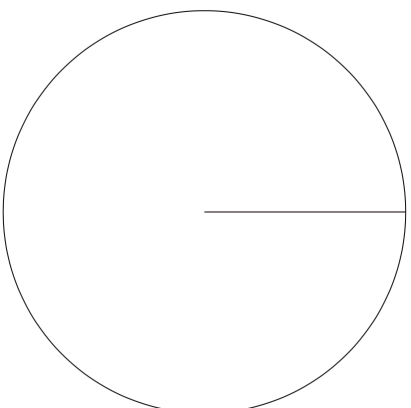
How much does Kirsty have left?

Josie spends 80% of her pocket money. She has £3 left.

Kirsty spends 30% of her pockey money.

The table gives information about the results of the matches a rugby team played.

Result	Frequency	Angle
Won	17	
Drawn	2	
Lost	11	



Name: \_\_\_\_\_

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Platinum



16th June

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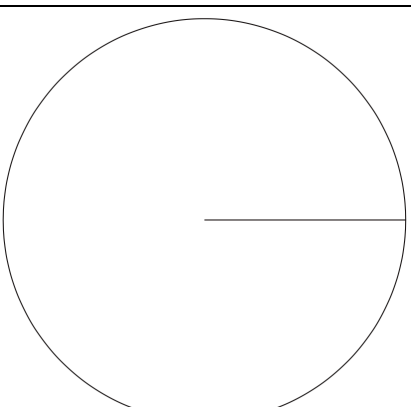
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Name: \_\_\_\_\_

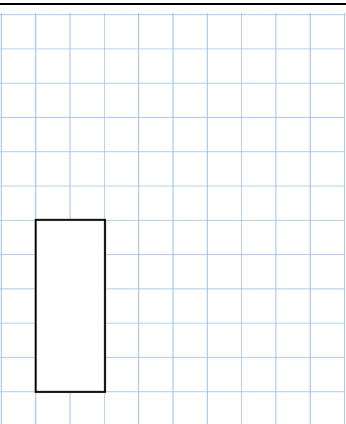
Primary 5-a-day

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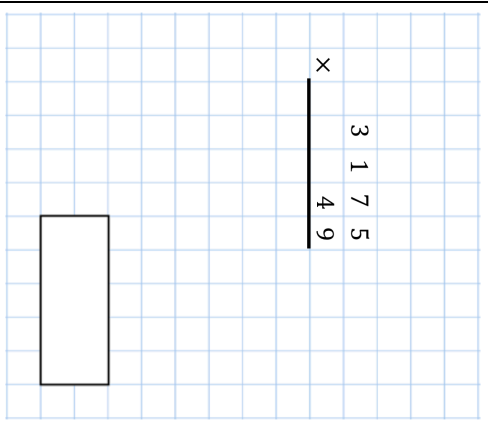
17th June

$$3\frac{7}{5} + \frac{7}{12}$$

$$\begin{array}{r} 3175 \\ \times \quad 49 \\ \hline \end{array}$$



Draw two quadrilaterals with diagonals that do not cross at right angles



.....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....

What number comes at the end of row 30?

Row 1	9	12	15
Row 2	16	19	22
Row 3	23	26	29
Row 4	30	33	36

Which row has a sum of 204?

Name: \_\_\_\_\_

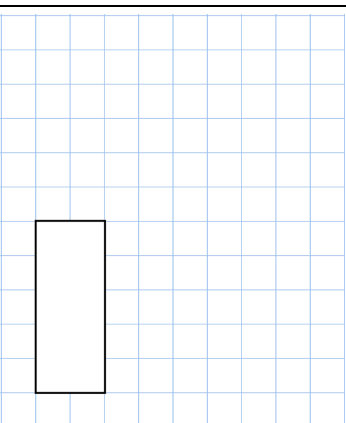
Primary 5-a-day

Platinum

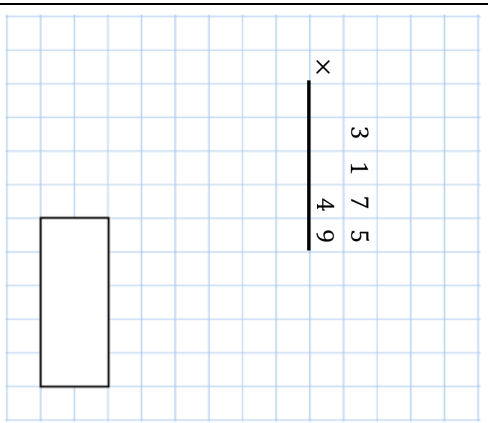
17th June

$$3\frac{7}{5} + \frac{7}{12}$$

$$\begin{array}{r} 3175 \\ \times \quad 49 \\ \hline \end{array}$$



Draw two quadrilaterals with diagonals that do not cross at right angles



.....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....

What number comes at the end of row 30?

Row 1	9	12	15
Row 2	16	19	22
Row 3	23	26	29
Row 4	30	33	36

Which row has a sum of 204?

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



18th June

$$\begin{array}{r} 902001 \\ + 373103 \\ \hline \end{array}$$

$$4\frac{4}{9} \div 2$$

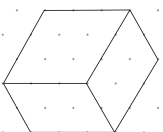
There are 600 members of a running club. 45% of these members are male.

Work out 45% of 600

Solve this equation to find the value of y

$$40 - 2y = 22$$

Draw a cuboid with half the volume of the cuboid shown.



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



18th June

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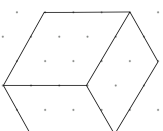
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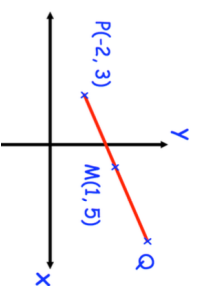
19th June

7% of 300

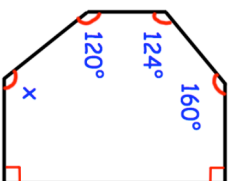
$$\begin{array}{r} \times \\ 3 \ 8 \ 2 \\ 2 \ 5 \ 3 \\ \hline \end{array}$$

M is the midpoint of PQ.

Find the coordinates of Q.



Find x



Find the fraction halfway between

$$\frac{2}{3} \text{ and } \frac{4}{5}$$

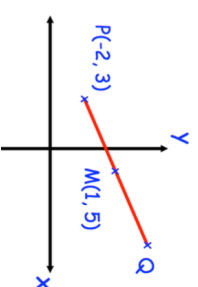
19th June

7% of 300

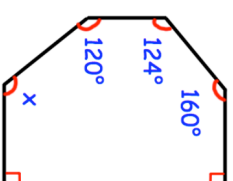
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Find x



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20th June

$$0.4 \times 400$$

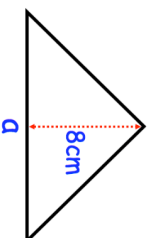
$$1\frac{1}{3} - \frac{2}{5}$$

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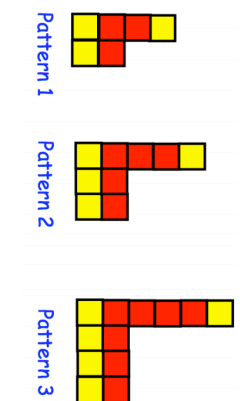
The area of this triangle is  $52\text{cm}^2$ 

Find a



Here is a pattern of red and yellow squares

Which of the following are false?



- A** Pattern 10 has 12 yellow squares
- B** The number of red squares is always odd
- C** Every pattern has more red squares than yellow squares
- D** Pattern 4 has 9 red squares



20th June

$$0.4 \times 400$$

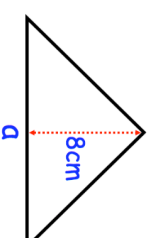
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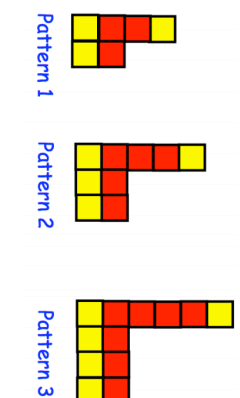
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



21st June

$$5.18 - 3.54012$$

85% of 6,000

--

--

What percentage of 20 is 13?

--

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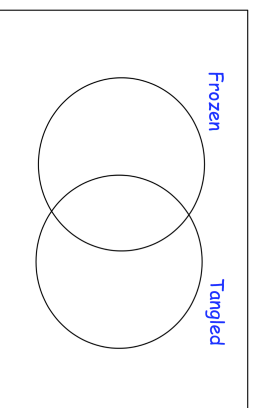
There are 80 children in Year 6.

18 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?



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



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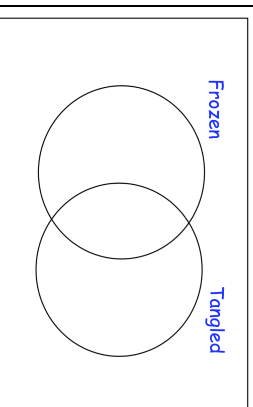
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum

22nd June



$$1\frac{1}{2} \times 7$$

--

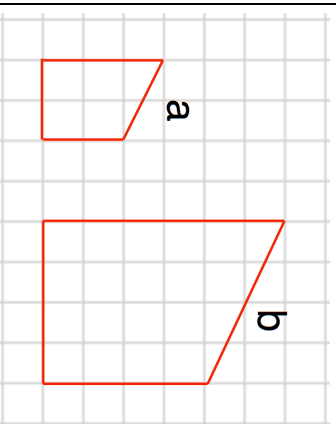
$$100 - 20 \times 5 + 1$$

--

Round 8:198136 to 2 decimal places

Round 8:198136 to 3 decimal places

Here are two similar shapes



Write the ratio of side b to side a

Find the area of the largest shape

Name: \_\_\_\_\_

Primary 5-a-day

Platinum

22nd June



$$1\frac{1}{2} \times 7$$

--

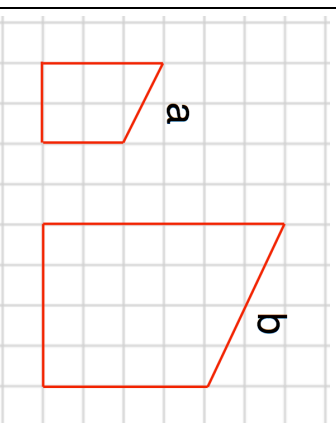
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



23rd June

20% of 7,600

$1855 \div 35$

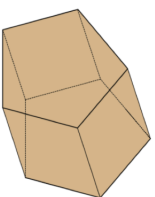
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--

$w = 12$

Work out  $5w - 7$

Here is a pentagonal prism.



Draw a net for the pentagonal prism.

In a class 20% of the children wear glasses.

25% of the children who **do not** wear glasses are boys.

What percentage of the class are **girls who do not wear glasses?**

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



23rd June

20% of 7,600

$1855 \div 35$

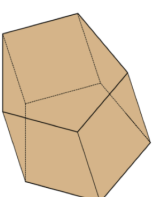
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



24th June

$$3.54 \times 9$$

<div style="background-color: #e0e0e0; width: 100%; height: 100%;"></div>
---

$$3,276 \div 14$$

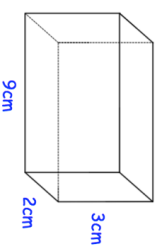
<div style="background-color: #e0e0e0; width: 100%; height: 100%;"></div>
---

Can you spot any mistakes?

Work out

$$\frac{1}{3} \times \frac{1}{6}$$
$$\frac{2}{18} = \frac{1}{9}$$

Work out the volume of the cuboid.



In 2018, a Zoo had 320,000 visitors.

30% of the people visited in July.  
15% of the people visited in June.

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

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



24th June

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<div style="background-color: #e0e0e0; width: 100%; height: 100%;"></div>
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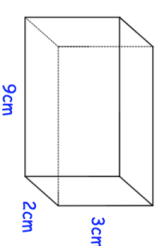
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



25th June

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

$$1,321,484 - 809,667$$

Barry and Harry go for a meal.

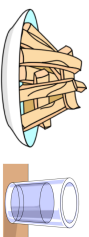
Barry's meal costs £8.80 and his drink costs £4.80.

Harry's meal costs £9.20 and his drink cost £3.50.

They have a voucher that gives 40% off their meals, but **not** the drinks.

They also pay a £5 tip.

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



Barry and Harry go for a meal.

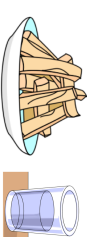
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



25th June

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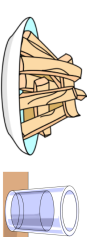
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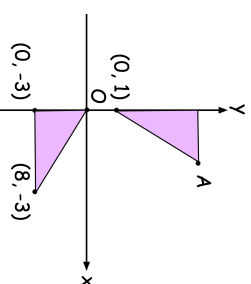
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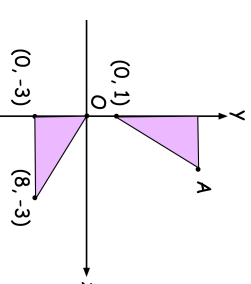
The two triangles are identical.

Find the coordinates of point A



The two triangles are identical.

Find the coordinates of point A



Name: \_\_\_\_\_

Primary 5-a-day

Platinum

26th June



95% of 60

Grid area for calculation.

$$\begin{array}{r} 1145 \\ \times \quad 51 \\ \hline \end{array}$$

Grid area for writing the ratio.

There are 40 beads in a bag.  
Each bead is either red or yellow.

Write down the ratio of red beads to yellow beads

8 beads are yellow.

The mean of the numbers on these four number cards is 5.

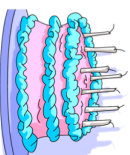
Four number cards: 6, 7, 3, and an empty box.

Find the missing number.

Lily gives  $\frac{2}{3}$  of a cake to Leo.

Leo shares this piece of cake equally between Phoebe, Ruby and himself.

What fraction of the whole cake does Ruby receive?



Name: \_\_\_\_\_

Primary 5-a-day

Platinum

26th June



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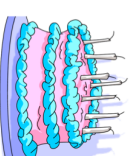
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



27th June

$$20 \times 2 \frac{1}{4}$$

$$42 - 2 \times 12$$

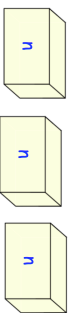
A chocolate bar weighs 80g.

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 7 more beads.

Write down how many beads Megan has?

Here are four numbers written as Roman numerals.

VIII L CC MCC

Find the mean of these four numbers

Name: \_\_\_\_\_

Primary 5-a-day

Platinum



27th June

$$20 \times 2 \frac{1}{4}$$

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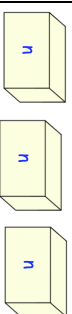
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



28th June

$$\frac{2}{11} \div 2$$

Grid area for calculation

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

Grid area for calculation

A piece of rope is 2.3 metres long.

Jenna cuts the rope into 8 pieces of equal length.

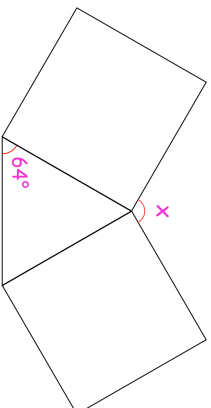
How long is each piece of rope?



Two numbers have a sum of 2  
The same numbers have difference of 6  
What are the two numbers?

Here is an isosceles triangle and two squares.

Find x



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



28th June

$$\frac{2}{11} \div 2$$

Grid area for calculation

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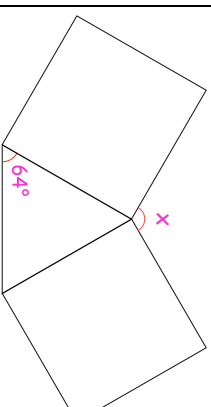
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



29th June

55% of 4,600

$$\frac{7}{10} \div 3$$

Grid area for calculation of 55% of 4,600. Includes a rectangular box for the answer.

Grid area for calculation of  $\frac{7}{10} \div 3$ . Includes a rectangular box for the answer.

A group of people were asked which rugby team they supported:

What size should the angle be for France?

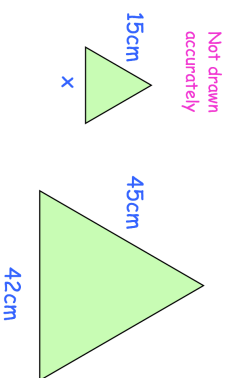
Rugby Team	Frequency
England	20
France	5
Ireland	15
Scotland	25
Wales	25

What size should the angle be for Wales?

Mr Davis wants to draw a pie chart to show these results.

The two triangles are mathematically similar.

Find x



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



29th June

55% of 4,600

$$\frac{7}{10} \div 3$$

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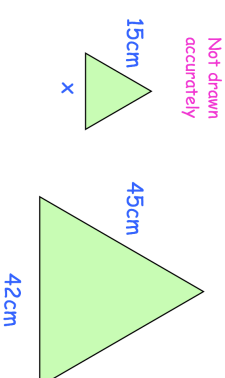
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Name: \_\_\_\_\_

Primary 5-a-day

Platinum



30th June

$$65 \times 895$$

$$18 \div 5$$

<input type="text"/>

<input type="text"/>

Ava has 24 crates of oranges.

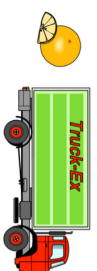
Each crate weighs 42.3 kilograms.

Ava's van can hold up to **one tonne**.

Will the van be able to carry all 24 crates?

Draw a 280° angle

At the end of a film, the year is given in Roman numerals as MMXIV  
Write the year MMXIV in figures.



Name: \_\_\_\_\_

Primary 5-a-day

Platinum



30th June

$$65 \times 895$$

$$18 \div 5$$

<input type="text"/>

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