1st October

10^4

$6 \overline{)5\,3\,5\,1\,0}$

Work out the highest common factor (HCF) of 24 and 36

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

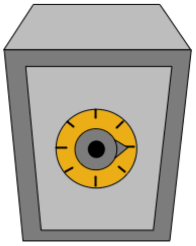
He remembers it as three 2-digit numbers.

The first 2-digits is a square number between 10 and 30.

The second 2-digits is a prime number between 30 and 40.

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

List all his possible passwords



2nd October

$\square^2 + 1{,}600 = 50^2$

$7{,}014 \div 14$

In 2018, a Zoo had 520,000 visitors.

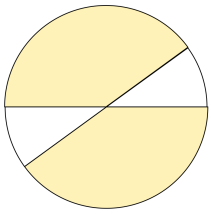
30% of the people visited in July.
35% of the people visited in August.

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

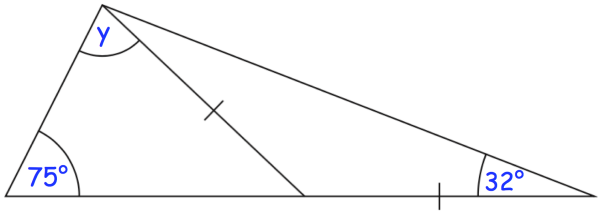
In this circle, each shaded part is $\frac{2}{5}$ of the area of the circle.

The two white parts have the same area.

What fraction of the circle is **one** of the white areas?



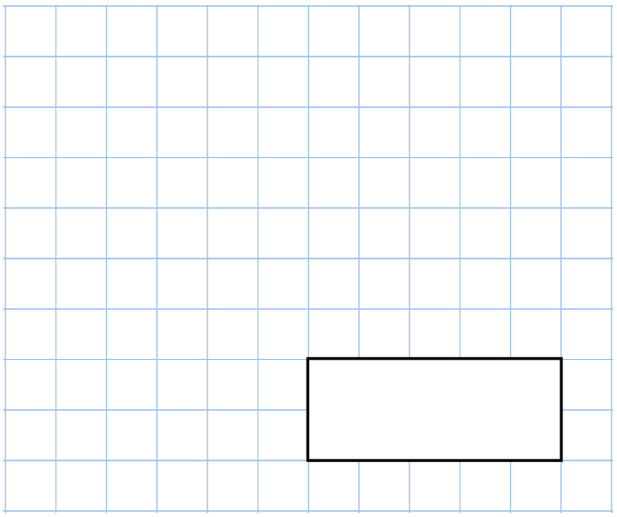
Find the size of angle y



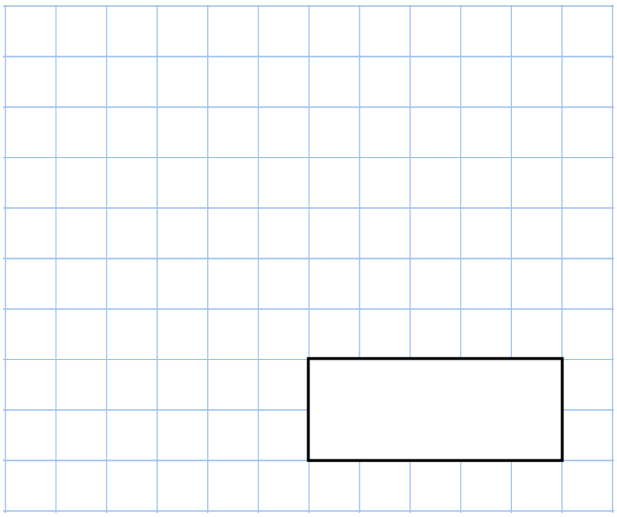
Name: _____ Primary 5-a-day Platinum

3rd October

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



71×254



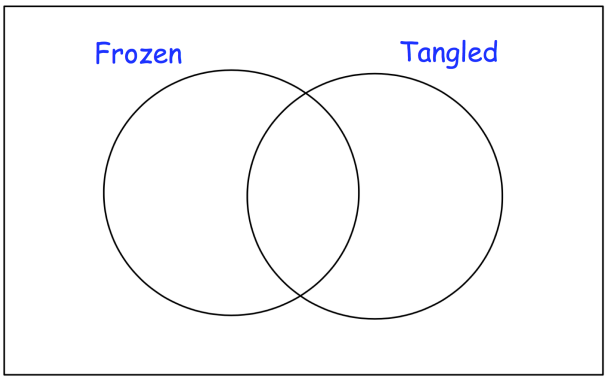
There are 80 children in Year 6.

16 children have watched both the films Frozen and Tangled.

28 children have watched Tangled.

Twice as many children have watched Frozen than Tangled.

How many children have not watched Frozen or Tangled?



What percentage of 20 is 9?

Name: _____ Primary 5-a-day Platinum

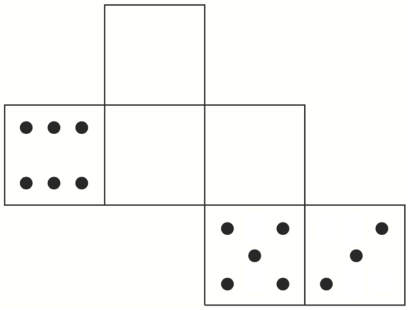
4th October

$\frac{\square}{\square} = 0.05$

$20 - 4^2$

On a dice, the opposite faces always have a sum of 7.

Draw dots on the three empty faces of the net so that it could fold up to make a dice.



This diagram shows a park

Play area $\frac{3}{5}$	Tennis court $\frac{1}{4}$
	Picnic area

Work out the fraction of the park that is the picnic area.

Work out 10% of $\frac{1}{2}$

Name: _____ Primary 5-a-day Platinum

5th October

$\frac{4}{5} - \frac{1}{12}$

40% of 90

Lucy, Jenny and Harriet share some money.

Lucy gets $\frac{1}{3}$ of the money.

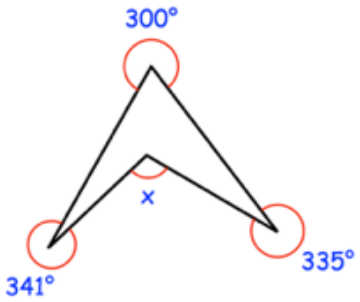
Jenny gets $\frac{1}{4}$ of the money.

Harriet gets the rest of the money.

Lucy gets £16

How much more money does Harriet get than Jenny?

Find the size of angle x



729 is both a square number and a cube number.

Find two other numbers that are both square numbers and cube numbers

Name: _____ Primary 5-a-day Platinum

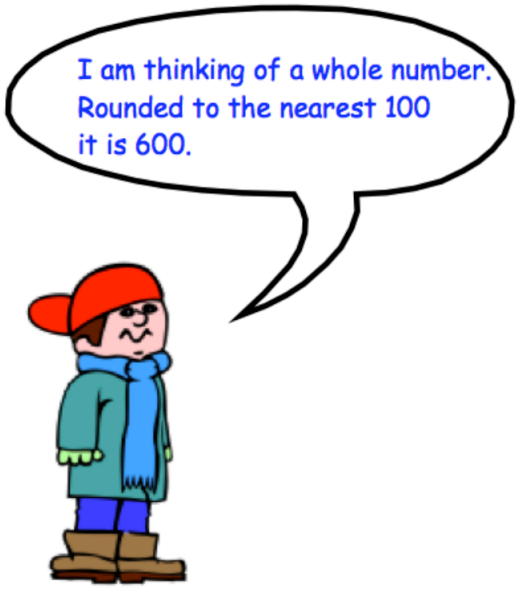
6th October

$3{,}276 \div 13$

$(10 - 4)^2$

What is the smallest possible number Timothy could be thinking of?

What is the largest possible number Timothy could be thinking of?



For every 5 50p coins, Laura has 4 20p coins.

Laura has £56.00 in 20p coins.

How much money does Laura have altogether?

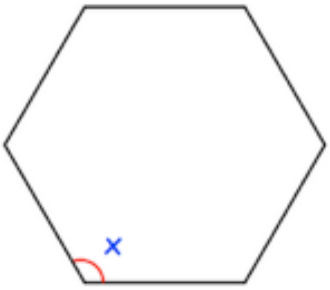
7th October

76×2.3

$15\% \times 680$

Here is a regular hexagon

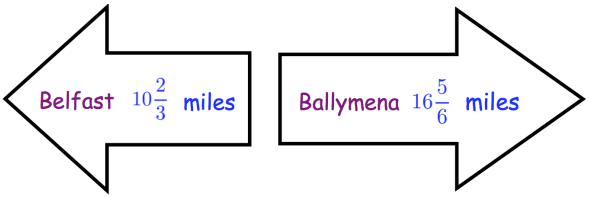
Find the size of each angle



Chloe is building a fence for her garden.

The fence costs £9.25 per metre to build.
The fence is 16 metres long.

Work out the total cost of building the fence

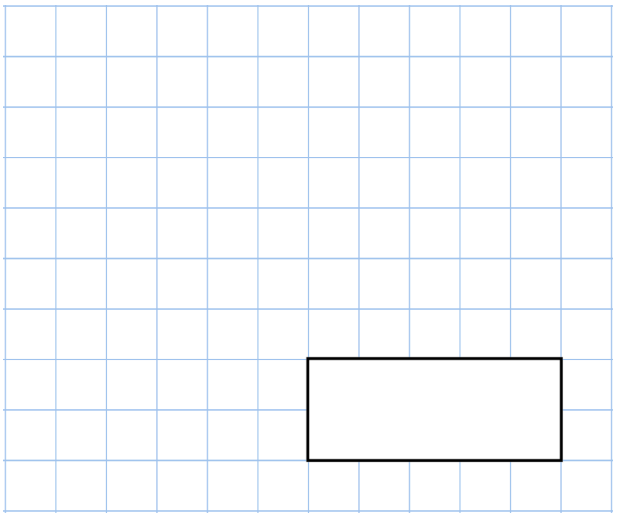


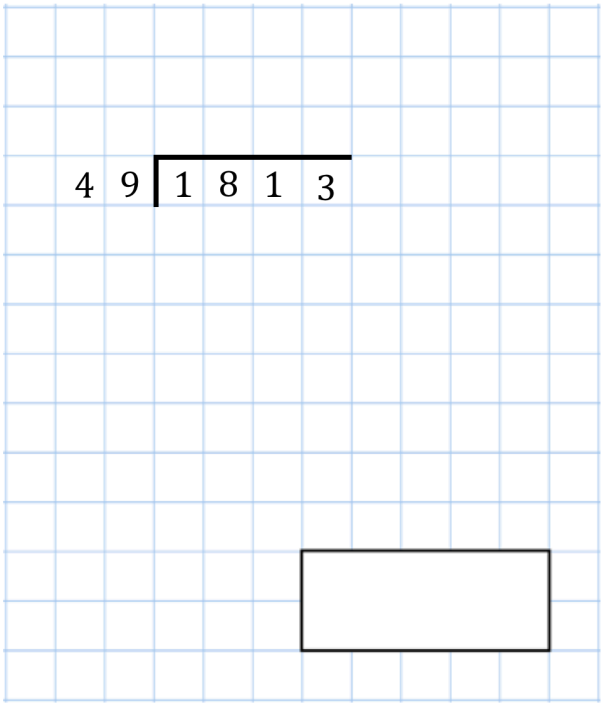
Work out the distance from Belfast to Ballymena.

Name: _____ Primary 5-a-day Platinum

8th October

$$\frac{6}{11} \div 2$$

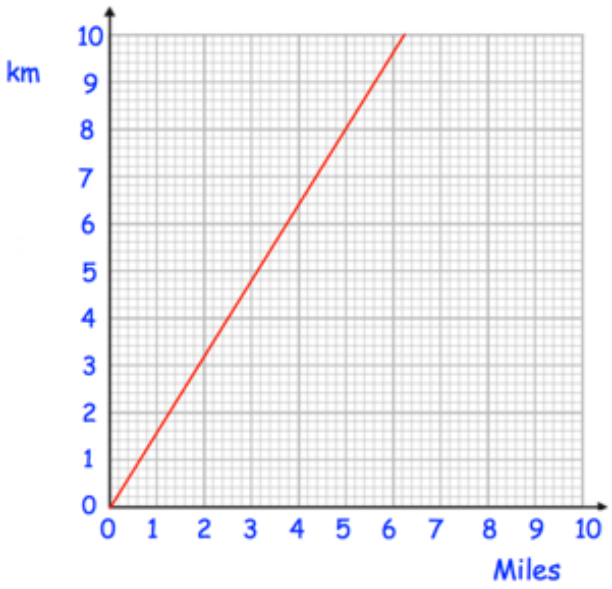




w + 8 = 13

Work out the value of **w**

This graph can be used to change between miles and kilometres.



Change 10 miles into kilometres

Change 40 kilometres into miles

Name: _____ Primary 5-a-day Platinum

9th October

9^3

$$\begin{array}{r} 1\ 6\ 5\ 4 \\ \times\quad\ \ 2\ 6 \\ \hline \end{array}$$

There are 1625 sweets in a tub.
A group of friends share the sweets.

Each person gets 65 sweets.

How many friends are there?

Write $\frac{1}{8}$ as a decimal

For every three 50p coins, Cain has two 20p coins.
Cain has £40 in 20p coins.

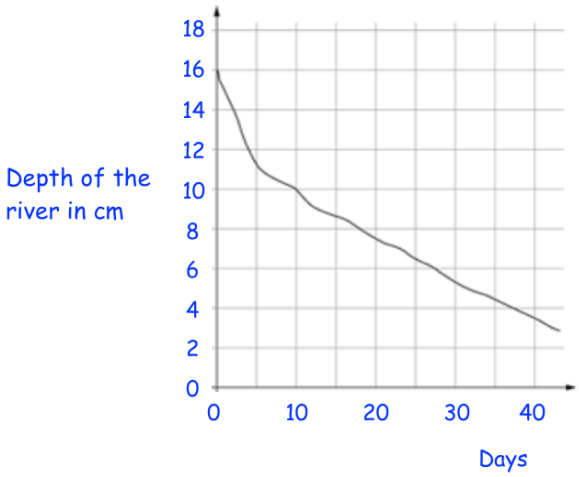
How much money does Cain have altogether?

Name: _____ Primary 5-a-day Platinum

10th October

$6.2 \times 3{,}000$

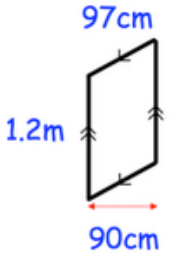
20% of 52



What was the depth of the river after 10 days?

How long did it take the river to go from a depth of 16cm to 11cm?

Work out the area of this parallelogram



cm²

Name: _____ Primary 5-a-day Platinum

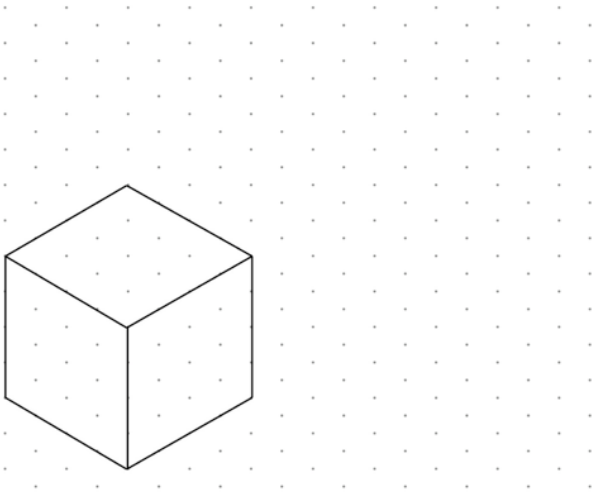
11th October

627×48

$-15 - 16$

Here is a drawing of a cube on an isometric grid.

Draw a cuboid that has the **same** volume of the cube.



Here are five number cards.

The mean of the numbers on the five cards is 12.

13	5	18	2	

Work out the missing number

Name: _____ Primary 5-a-day Platinum

12th October

$1{,}072 \times 24$

$4{,}741 \div 11$

Write 15% as a fraction

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 two weeks?

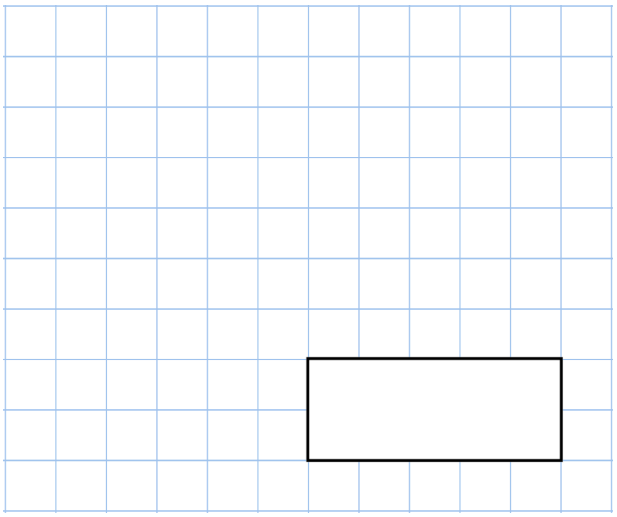
Solve this equation

$9\mathbf{x} + 10 = 7\mathbf{x} + 32$

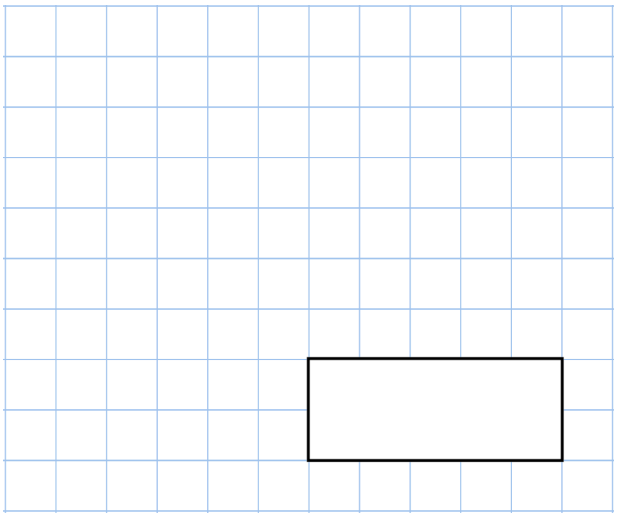
Name: _____ Primary 5-a-day Platinum

13th October

$\frac{\square}{\square} = 0.\dot{3}$



$12 + 8 \times 13 + 7$

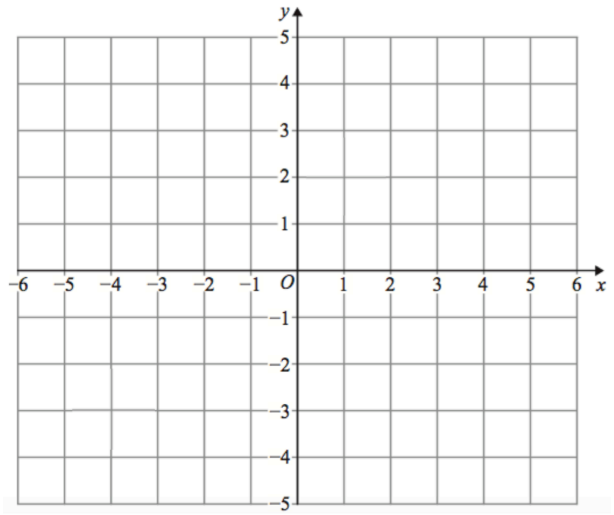


Raheem draws an isosceles triangle on the grid.

Two of the points are

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

Draw the triangle on the grid



Reflect your triangle in the x-axis.

The cost of making a book can be found using this rule

Cost = number of pages × 5p
+ 45p for the cover

A book costs £6.05

How many pages does that book have?

Name: _____ Primary 5-a-day Platinum

14th October

$15\% \times 5{,}000$

$2\frac{1}{2} \times 47$

A cake has a mass of 600g.
36% of the cake is sugar.

How many grams of sugar are in the cake?

The letters **a, b, c** and **d** stand for numbers.

The sum of each row is given

a	a	a	a	24
a	a	b	b	28
b	c	c	c	29
a	b	c	d	31

Find the values of **a, b, c** and **d**

a =

b =

c =

d =

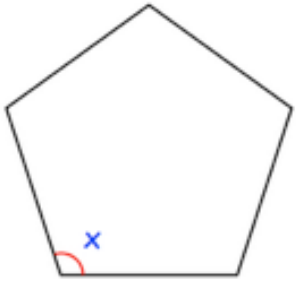
15th October

0.08×500

$$\begin{array}{r} 185 \\ \times\ 134 \\ \hline \end{array}$$

Here is a regular pentagon.

Find the size of each angle

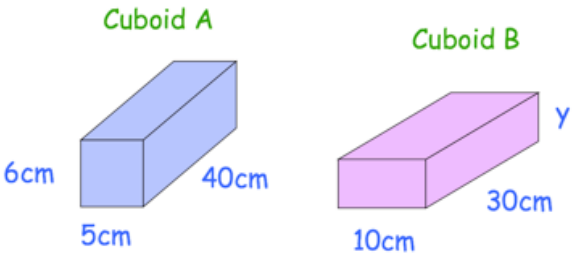


n = 18

What is 20**n** + 70?

Cuboid A and Cuboid B have the same volume.

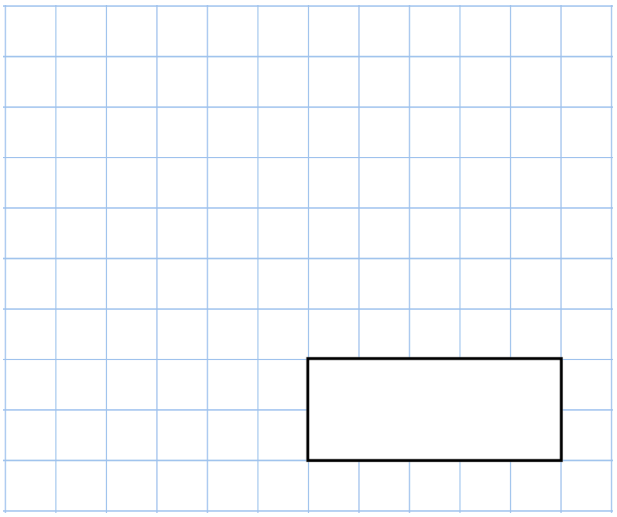
Find the height of cuboid B.



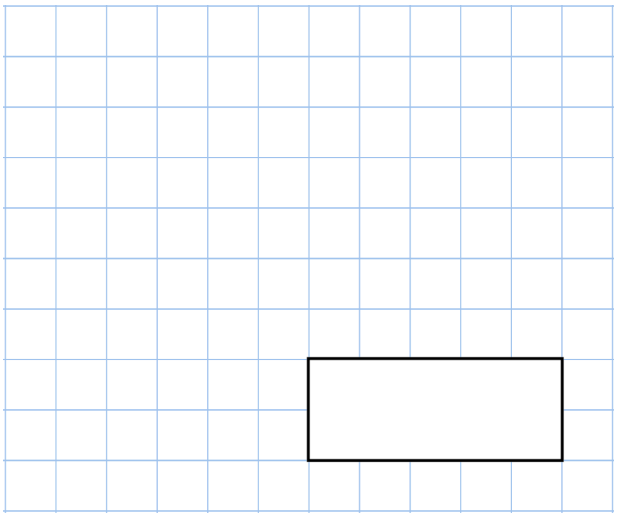
Name: _____ Primary 5-a-day Platinum

16th October

9% of $7{,}000$



$2\frac{1}{8} - \frac{1}{4}$



$19 \times 345 = 6{,}555$

Use this multiplication to complete these calculations

190×345

19×34.5

20×345

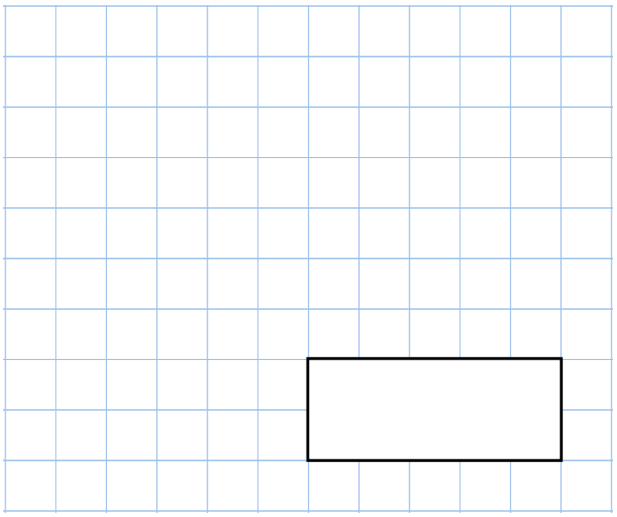
Put brackets into the calculation to make it true

$6 \times 7 + 3 - 8 = 52$

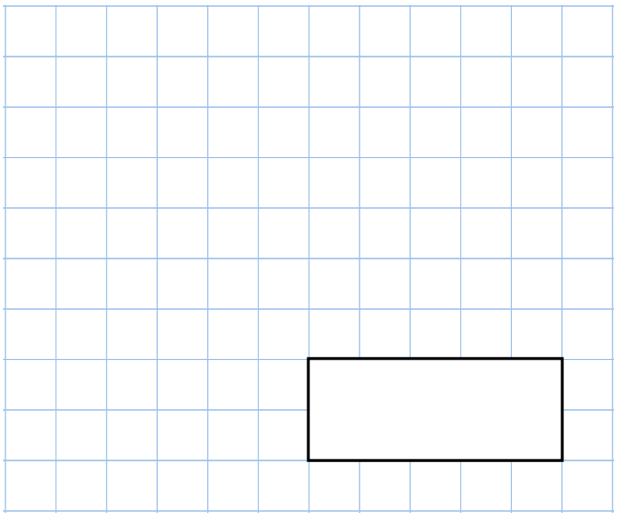
Name: _____ Primary 5-a-day Platinum

17th October

$\frac{9}{10} \div 2$



45% of 260



Work out the value of **y**

$3\mathbf{y} = 24$

The time taken for 4 friends to complete a crossword are

14 minutes
1,200 seconds
three quarters of an hour
25 minutes

Arrange the times in order, starting with the shortest

Adam organised a charity concert at a theatre.

The hall holds 35 rows of 42 seats.
There were 50 empty seats.

Each person paid £18.

How much money did Adam raise?

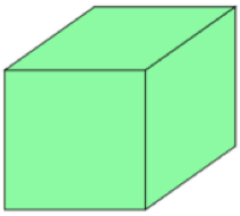
Name: _____ Primary 5-a-day Platinum

18th October

$120 - 30 \div 6$

$3{,}914 \times 27$

Work out the volume of this cube.



Find three different prime numbers with a sum of 43

☐ + ☐ + ☐ =

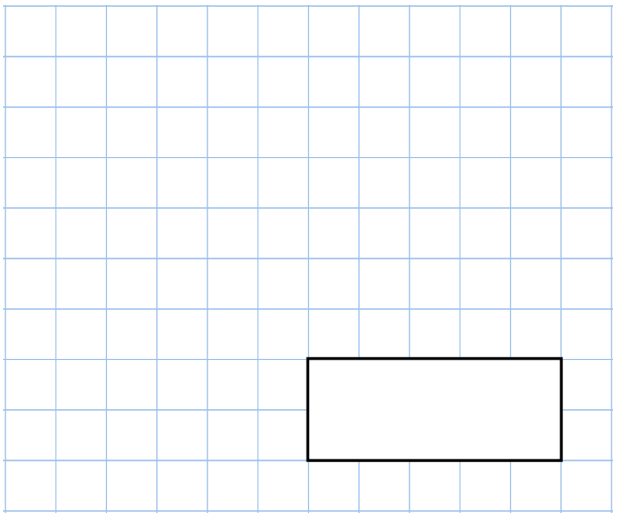
prime number prime number prime number

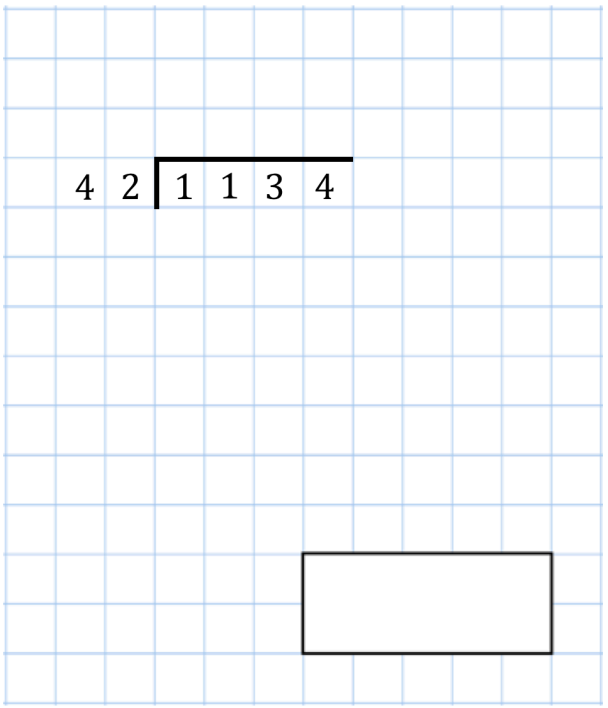
Write the year MMXVI in figures

Name: _____ Primary 5-a-day Platinum

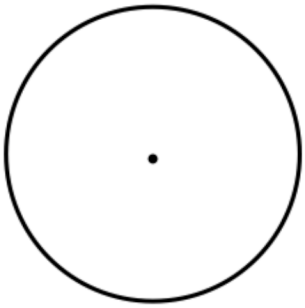
19th October

$$1\frac{1}{3} + 3\frac{7}{10}$$





Draw the diameter on this circle



Lindsey is planting daffodil bulbs

For every 7 bulbs Lindsey planted, only 5 bulbs grew into daffodils

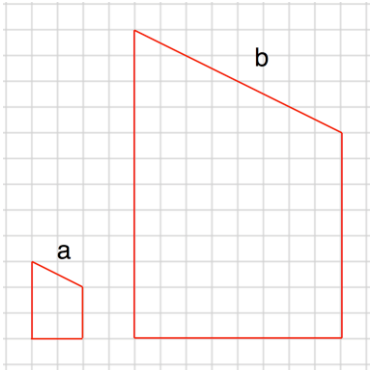
Altogether 70 daffodils grew

How many bulbs did Lindsey plant?

Here are two similar shapes.

Write down the ratio of side a to side b.

a : b = :



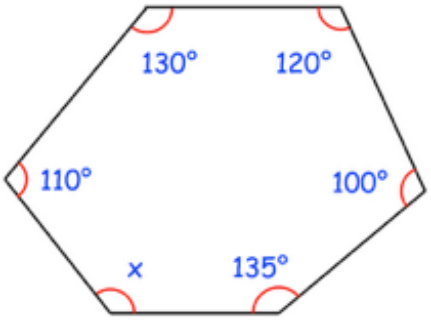
Name: _____ Primary 5-a-day Platinum

20th October

$$180 \times \frac{4}{5}$$

$$18\overline{)1638}$$

Find the size of angle x.

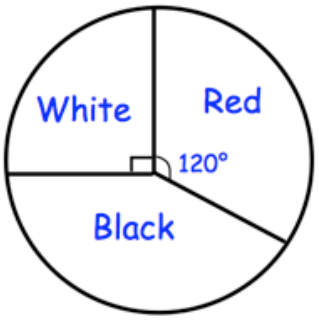


Burt is making cupcakes
He has made 400 cupcakes.
Burt places the cupcakes in boxes of 18.

How many boxes can he fill?

The pie chart shows information about the 72 counters in a bag.

How many counters are black?



Name: _____ Primary 5-a-day Platinum

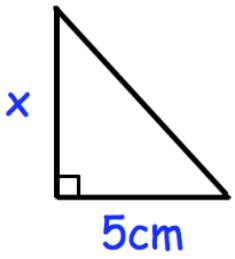
21st October

$5{,}040{,}118 - 1{,}876{,}094$

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

The area of the triangle is $21cm^2$

Find the height of the triangle, x



A new snack bar contains 12g of sugar.

$\frac{3}{10}$ of the snack bar is sugar.

Work out the mass of the snack bar

Work out the value of **u**

$2u - 9 = 6$

Name: _____ Primary 5-a-day Platinum

22nd October

31×2.8

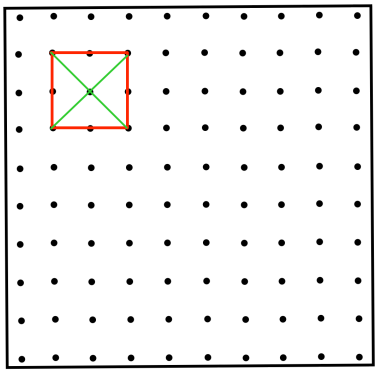
5% of 630

Draw a 305° angle

Write $\frac{14}{25}$ as a percentage

The diagonals of a square cross at right angles.

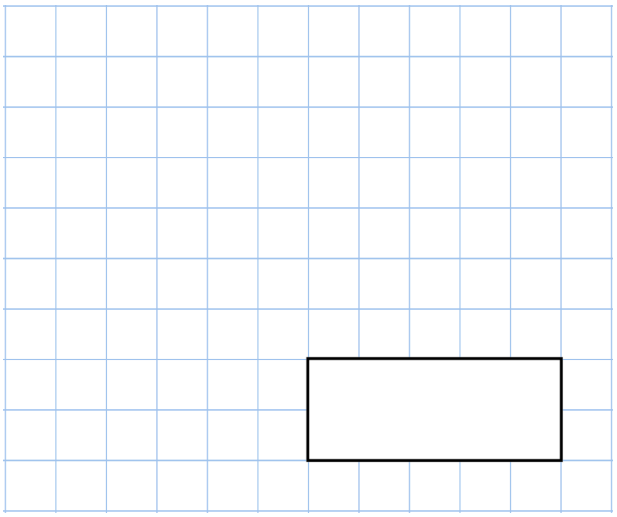
On the grid, draw a different type of quadrilateral where the diagonals **do not** cross at right angles



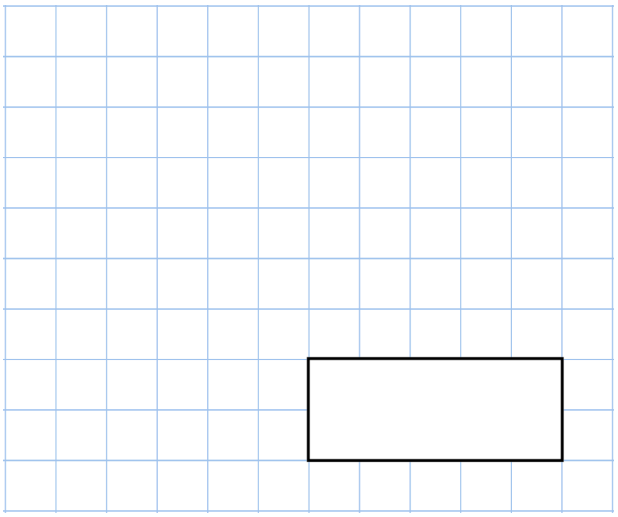
Name: _____ Primary 5-a-day Platinum

23rd October

$\frac{5}{9} \times \frac{1}{2}$



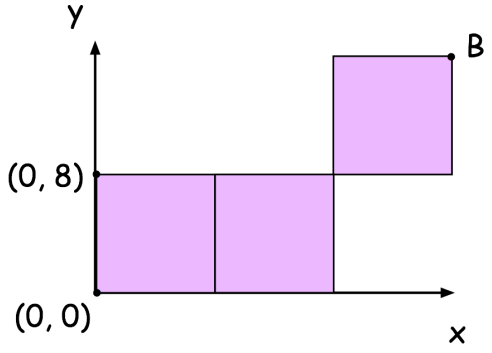
$40 - (1 + 3)^2$



A bus travels 180 miles at a speed of 40 miles per hour.

How long does the journey take?

Find the lowest common multiple (LCM) of 18 and 20



Three squares are placed on a grid.

Write down the coordinates of the point B.

Name: _____ Primary 5-a-day Platinum

24th October

$71 \div 4$

12% of $3{,}000$

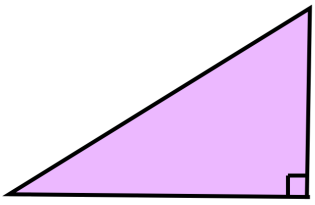
Two whole numbers multiply together to give an answer of 800.

Neither of the numbers contains the digit zero.

What are the two numbers?

The area of this triangle is $54cm^2$

Find the height of the triangle.



Estimate the value of

9.03 + 19.87 x 3.08 – 4.97

Name: _____ Primary 5-a-day Platinum

25th October

$0.6 \times 2{,}000$

$1{,}326 \div 17$

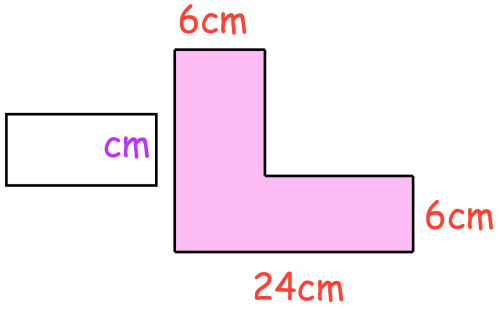
Matthew says that

$$9 + 4 \times 2 = 26$$

Is Matthew correct?

The perimeter of this shape is 86cm

Find the missing length



Work out the difference between the square root of 64 and the square root of 169.

Name: _____ Primary 5-a-day Platinum

26th October

$80\% \times 700$

$4\frac{1}{5} - \frac{1}{3}$

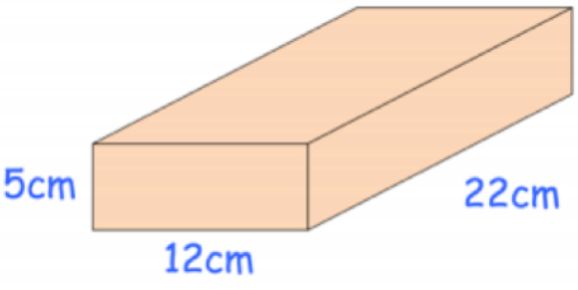
Complete the table

Shape	Angles add up to
Triangle	180°
Quadrilateral	360°
Pentagon	
Hexagon	

Work out the value of **k**

$16 - \mathbf{k} = 5$

Work out the volume



27th October

1.76×8

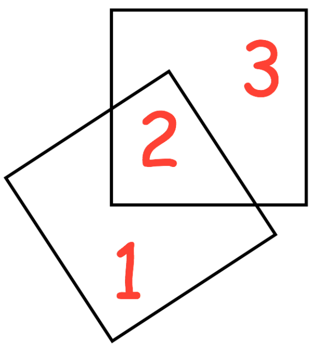
$35 \overline{)\,4340}$

This sequence increases by an equal amount each time.

Find the three missing numbers

6				32

This diagram shows two squares that overlap to make 3 regions.



What is the greatest number of regions that can be made using two overlapping squares?

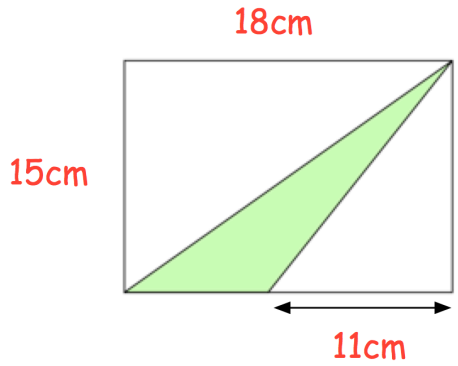
Name: _____ Primary 5-a-day Platinum

28th October

$\frac{1}{8} \div 4$

$-60 + 125$

Find the shaded area



Work out the value of **x**

$5x + 20 = 35$

Convert 3.5 kilometres into millimetres

Name: _____ Primary 5-a-day Platinum

29th October

$\frac{7}{20} =$ ☐ %

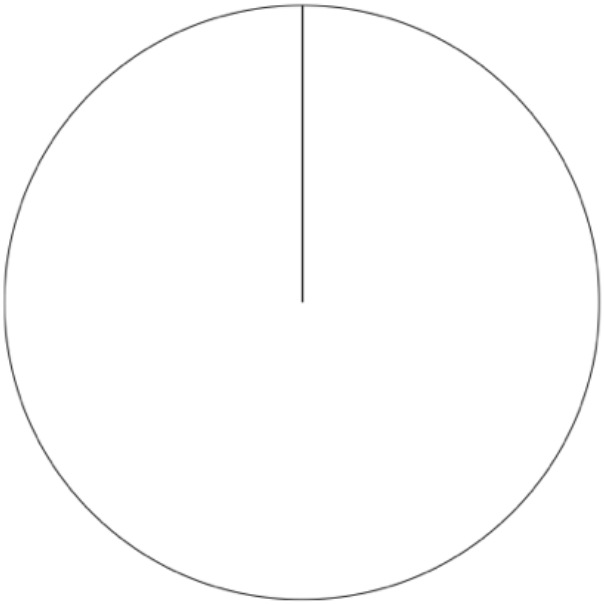
☐ %

2 4 | 3 8 8 8

☐

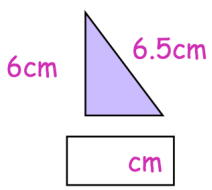
Draw a pie chart to show this information

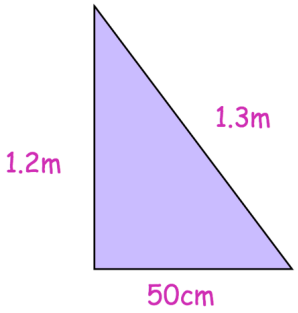
Breed	Frequency
Spaniel	11
Poodle	7
Greyhound	4
Jack Russell	14



The two triangles are similar.

Work out the missing length





30th October

$0.065 = \square\ \%$

$\frac{\square}{40} = 0.3$

$\square\ \%$

$\square$

$42 \times 31 = 1{,}302$

Use this multiplication to complete the calculations below

42×62

21×31

42×32

A sequence of numbers starts at 15 and follows the rule

"treble the last number and add 4"

15 49 151 457 ...

The number 4,129 is in the sequence.

Calculate the number which comes immediately before 4,129.

Name: _____ Primary 5-a-day Platinum

31st October

961×223

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

Stuffed Turkey

Serves 4

Turkey	500g
Red Onion	1
Garlic Cloves	2
Chestnut Mushrooms	150g
Spinach	140g
Chicken Stock	300ml

Dylan wants to make Stuffed Turkey for 14 people.

How much of each ingredient is needed?

Kelly has 7 pence more than Andy.
Georgia has 8 pence less than Andy.

They have £1.49 in total.

How much money does Andy have?