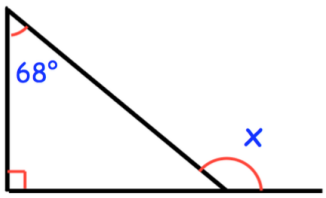
Name: _____ Primary 5-a-day Platinum

1st January

$70 + 24 \div 2$

$\frac{5}{6} \times \frac{3}{5}$

Find the size of the angle labeled x

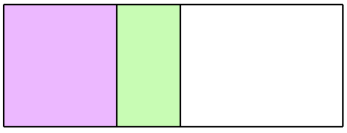


At the end of a film, the year is given in Roman numerals.

Write the year MMIX in figures

In this rectangle, $\frac{1}{3}$ is shaded purple

$\frac{1}{5}$ is shaded green.



What fraction of the rectangle is not shaded?

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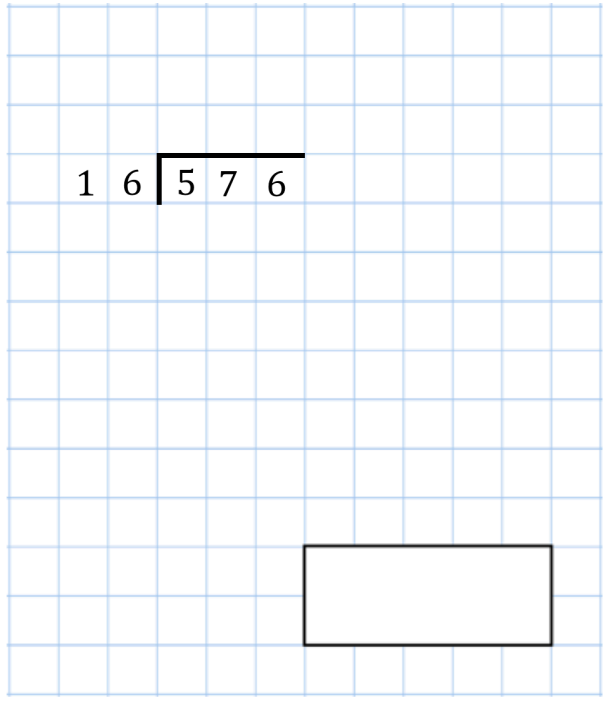
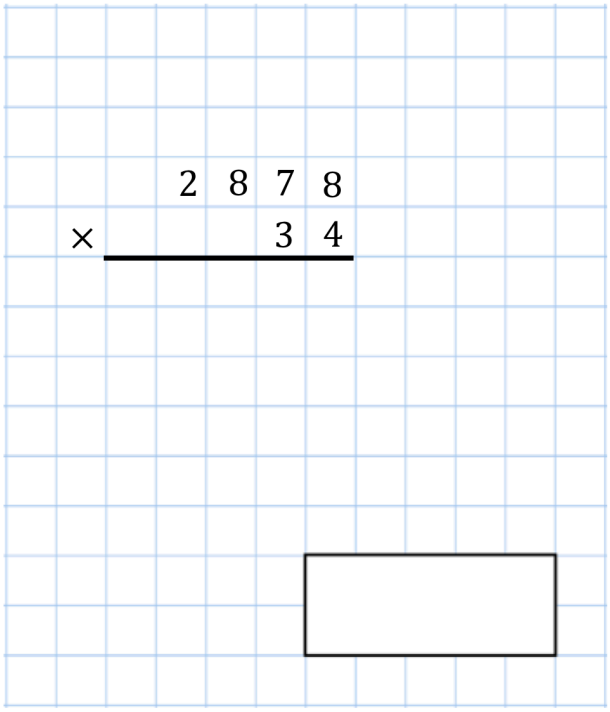
2nd January





w = 14

Work out $3\mathbf{w} + 8$

Lindsey is planting daffodil bulbs

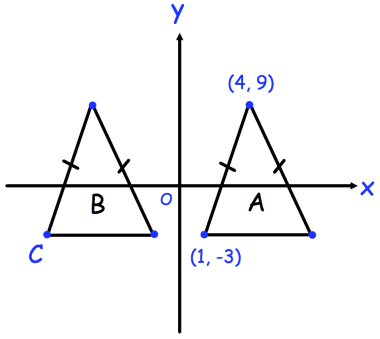
For every 4 bulbs Lindsey planted, only 3 bulbs grew into daffodils

Altogether 12 daffodils grew

How many bulbs did Lindsey plant?

Triangle B is a reflection of triangle A in the y-axis.
Both triangles are isosceles triangles.

What are coordinates of point C?



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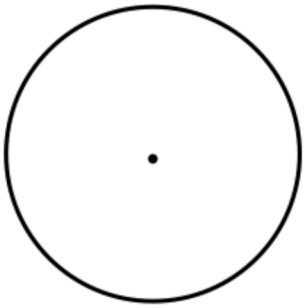
Name: _____ Primary 5-a-day Platinum

3rd January

$35\% \ of \ 340$

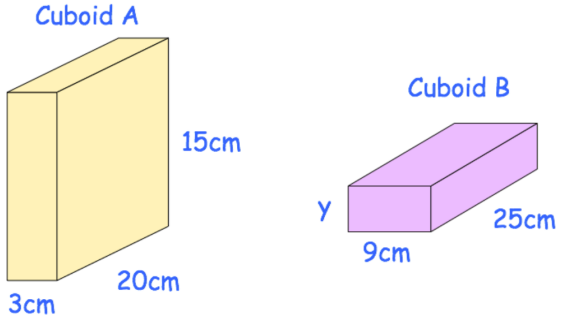
$\frac{1}{2} + \frac{1}{10} + \frac{1}{3}$

Draw the radius on this circle



$22{,}176 \div 84 = 264$

Explain how the this fact can be used to answer 85×264



Cuboid A and cuboid B have the same volume.

Find the height of cuboid B, y

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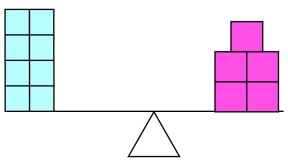
4th January

$$\begin{array}{r} 451 \\ \times \quad 26 \\ \hline \end{array}$$

$\frac{8}{9} \div 2$

$5\mathbf{a} + 11 = 46$

Work out the value of **a**



8 small blocks have the same mass as 5 large blocks.
The mass of one small block is 3.5kg

Find the mass of one large block

The product of Jack's age and Florence's age is 266.

Jack is 14.

How old is Florence?

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Name: _____ Primary 5-a-day Platinum

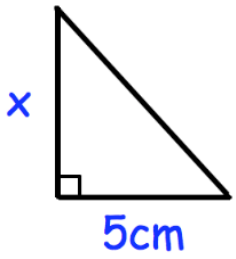
5th January

$1\frac{2}{3} - \frac{5}{6}$

$7\%\ of\ 600$

The area of the triangle is $20cm^2$

Find the height of the triangle, x



A 2p coin has a mass of 7 grams.

Find the total mass of £80 worth of 2p coins

Give your answer in kilograms

The numbers in this sequence increase by the same amount each time.

Write the missing numbers

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

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Name: _____ Primary 5-a-day Platinum

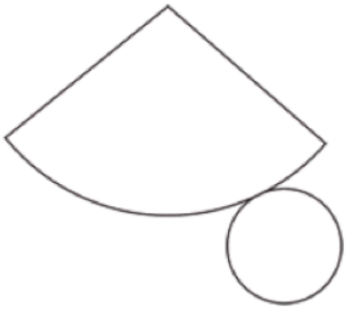
6th January

0.9×800

$65\% \times 3{,}000$

Here is a net for a 3D shape

Which shape?



Burt is making cupcakes
He has made 300 cupcakes.
Burt places the cupcakes in boxes of 16.

How many boxes can he fill?

Raspberries cost £13.30 per kg
Mangos cost £6.20 per kg
4 pineapples cost £5

Work out the cost of 10kg of raspberries, 13kg of mangos and 6 pineapples.

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Name: _____ Primary 5-a-day Platinum

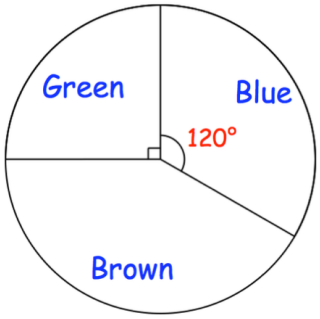
7th January

$2\frac{1}{2} \times 49$

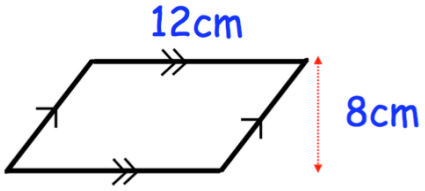
$20 - 5 \times 3 - 4$

There are 24 students in a class.
The pie chart shows information about their eye colour.

How many students have brown eyes?



Find the area of the parallelogram



Tomas had some money

He spent £1.55 on a coffee.
He spent £2.25 on a muffin.
He has **four-fifths** of his money left.

How much money did Tomas have to **start with**?

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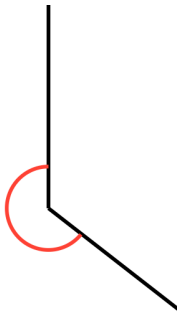
Name: _____ Primary 5-a-day Platinum

8th January

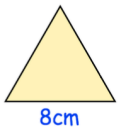
$20\% \ of \ 6{,}500$

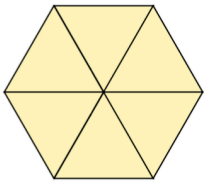
$1026 \div 38$

Measure this angle



Shown is an equilateral triangle with side length of 8cm.
Six of the triangles are put together to make a larger shape.
Find the perimeter of the larger shape.





Shown are four number cards.

The mean of the cards is 9.

Work out the missing number.

7	5	8	

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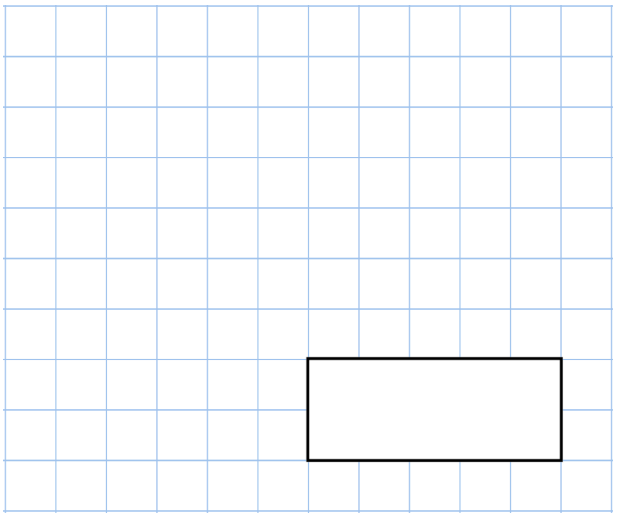
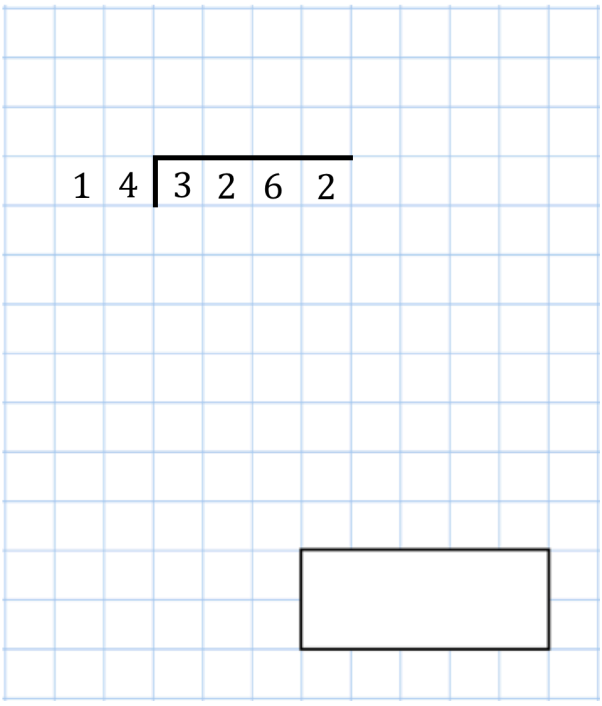
9th January

1.97×8





Round 16.2491 to one decimal place

Round 16.2491 to two decimal places

Here is a pattern of number pairs

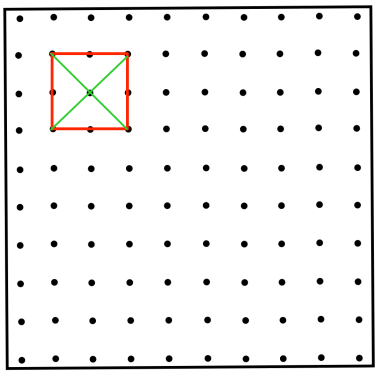
Complete the **rule** for the number pattern

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

a	b
1	10
2	16
3	22
4	28

The diagonals of a square cross at right angles.

On the grid, draw a different type of quadrilateral where the diagonals cross at right angles



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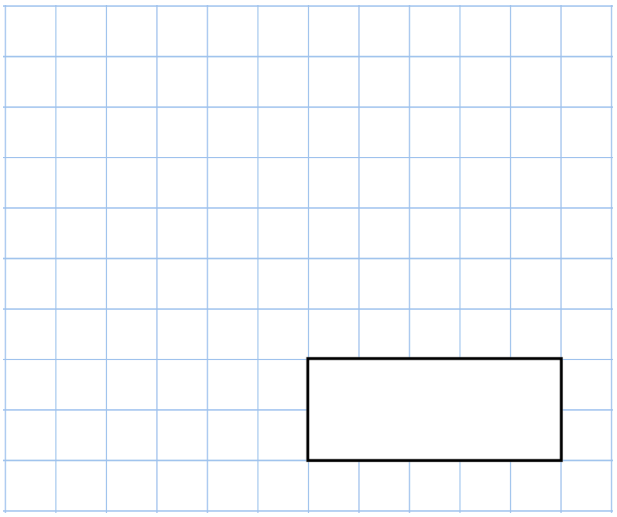
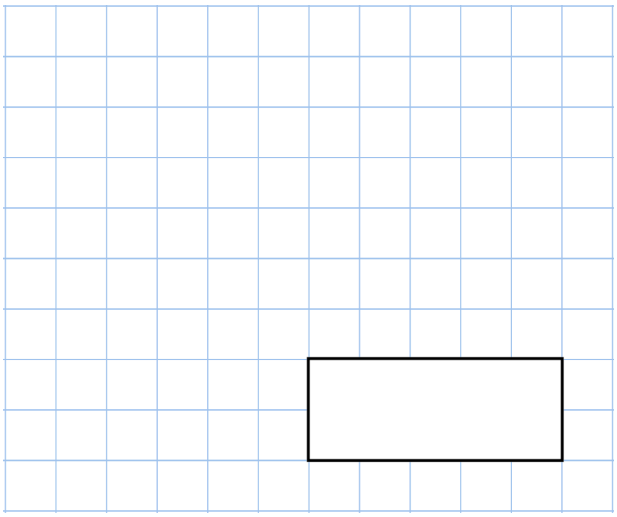
Name: _____ Primary 5-a-day Platinum

10th January

$\frac{1}{6} \times \frac{1}{4}$



$123{,}767 - 54{,}886$



Daisy is buying rulers
She has £20
Each ruler costs 74p
Daisy buys as many rulers as she can.

How many rulers does Daisy buy?

A bus leaves Antrim Bus Station every 12 minutes.
A train leaves Antrim Bus Station every 18 minutes.

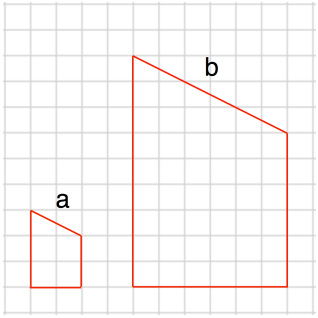
At 8am, a bus and a train leave the stations at the same time

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

Here are two similar trapeziums

Write the ratio of side a to side b

a : b = :



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Name: _____ Primary 5-a-day Platinum

11th January

$95\% \ of \ 750$

$$\begin{array}{r} 679 \\ \times \quad 46 \\ \hline \end{array}$$

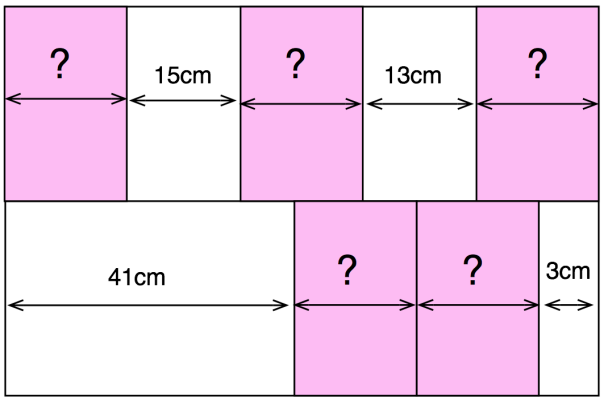
Mr Kelly owns a shop

He buys 31 televisions at £195.99 each and 19 DVD players at £50.99 each

Estimate how much Mr Kelly paid

In this diagram, the pink rectangles are all of equal width.

Calculate the width of one of the pink rectangles



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Name: _____ Primary 5-a-day Platinum

12th January

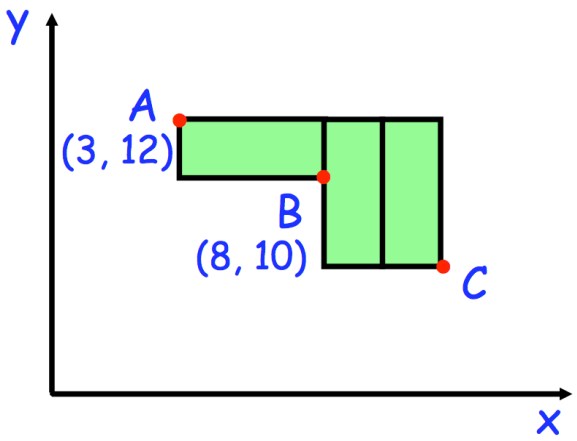
$18 \times 1\frac{2}{3}$

$32 - 2 \times 9$

Arrange in order from smallest to largest

$\frac{3}{4}, \frac{2}{3}, \frac{5}{6}, \frac{1}{3}$

Below are three identical rectangles.



How long is each rectangle?

Find the coordinates of the point C

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Name: _____ Primary 5-a-day Platinum

13th January

$\frac{2}{7} \div 2$

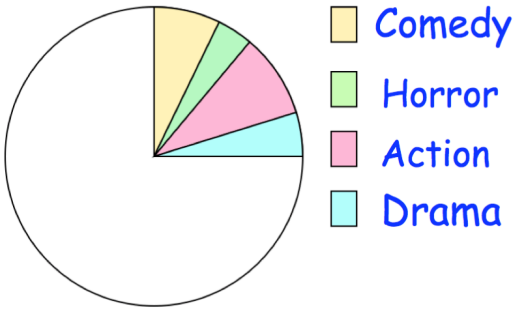
$2\frac{3}{4} - 1\frac{7}{8}$

Write $\frac{3}{8}$ as a decimal

Write $\frac{7}{40}$ as a decimal

Dorothy has drawn a pie chart to show her friends' favourite type of movie

Genre	Frequency
Comedy	26
Horror	14
Action	33
Drama	17



What has Dorothy has done wrong?

What size should the angle be for Comedy?

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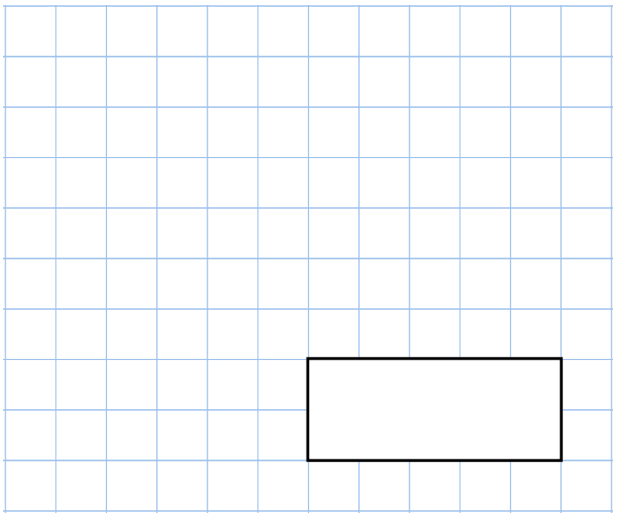
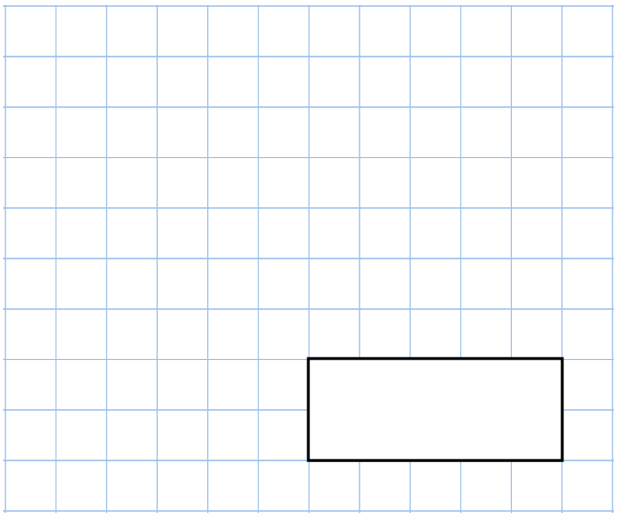
Name: _____ Primary 5-a-day Platinum

14th January

$55\% \ of \ 8{,}200$



$\frac{5}{6} \div 2$



Sketch the net of a triangular prism

Solve the equation

$9w + 17 = 7w + 30$

Rosie has four **different** triangles

Complete the table to show the size of the angles in each triangle

Type of Triangle	Angle 1	Angle 2	Angle 3
Scalene	20°		
Right-angled	70°		
Isosceles	50°		
Isosceles	50°		

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15th January

75×175

$14 \div 5$

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$

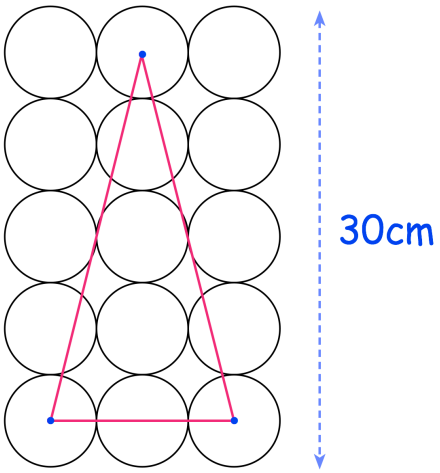
Use three of these fraction cards to complete the sum

$\square + \square + \square = 1$

The diagram shows 15 identical circles and a pink triangle.

The vertices of the triangles are at the centre of the circles.

Work out the area of the pink triangle



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Name: _____ Primary 5-a-day Platinum

16th January

$17^2 = 300 - \square$

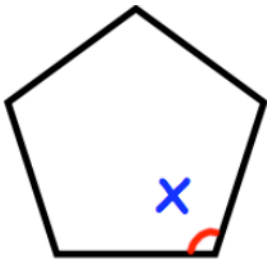
$825 - 912$

Using the information that

87 x 456 = 39672

write down the value of 870 x 4.56

Shown is a regular pentagon



Find the size of angle x

There are 80 teachers in a school.

The headteacher says that exactly 43% of the teachers drive to work.

Explain why the headteacher is wrong.

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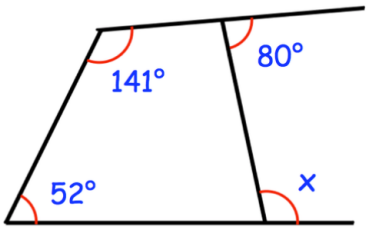
Name: _____ Primary 5-a-day Platinum

17th January

$73{,}283 + 18{,}909 + 4{,}500$

71×181

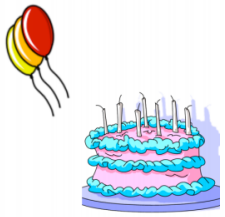


Find the size of angle x

Rebecca is $\frac{1}{6}$ of Samuel's age.

Samuel is 7 years younger than Louise.

If Rebecca is 9 years old, how old is Louise?



Ben and Holly share 30 marbles in the ratio 2:3.

How many marbles does Holly receive?

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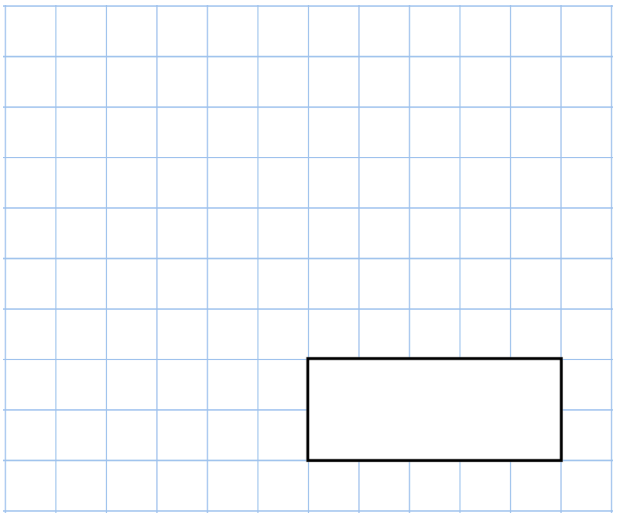
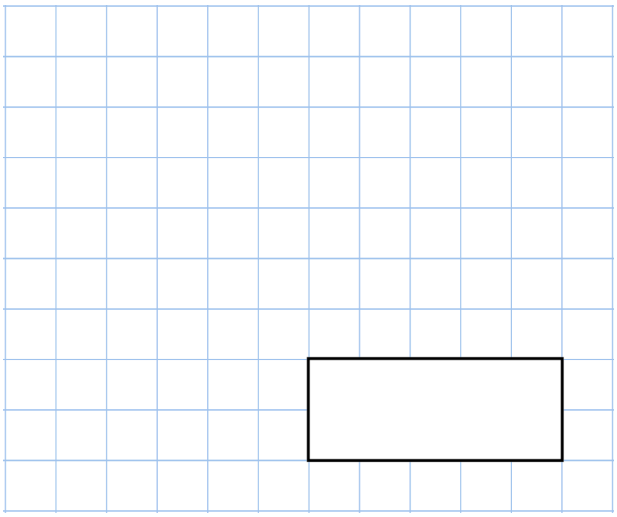
Name: _____ Primary 5-a-day Platinum

18th January

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



$1 + 7^2$



The diameter of a circle is 5cm.

What length is the radius?

One gram of platinum costs £22.17

How much does **two fifths** of a kilogram cost?

Write four numbers with a **mean** of 12 and a **range** of 12.

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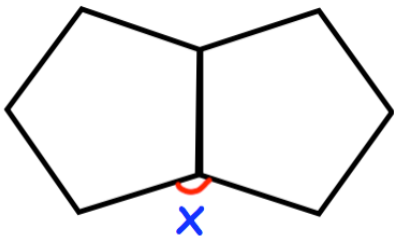
Name: _____ Primary 5-a-day Platinum

19th January

$1{,}332 \div 12$	$\frac{4}{7} + \frac{2}{3}$
Work out the area of this rectangle	
On a map, 1cm represents 40km The distance between two cities is 340km On the map, what is the distance between the two cities?	
Two identical regular pentagons are shown. Find angle x	

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Name: _____ Primary 5-a-day Platinum

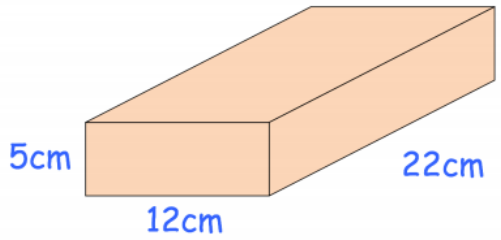
20th January

$60\% \ of \ 1{,}800$

16×9.1

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

Work out the volume of this cuboid



Which is larger 20% of 7 or 7% of 20?

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Name: _____ Primary 5-a-day Platinum

21st January

$35\% \times 660$

$29\overline{)7\,5\,4}$

Jacob says that 0.4 is greater than $\frac{3}{8}$

Explain why he is correct

Here are some planned school trips

	Karting	Museum	Theme Park
Number of students	140	221	342
Number of teachers	8	12	19

For every 18 students there must be at least 1 teacher.

Do all the trips have enough teachers?

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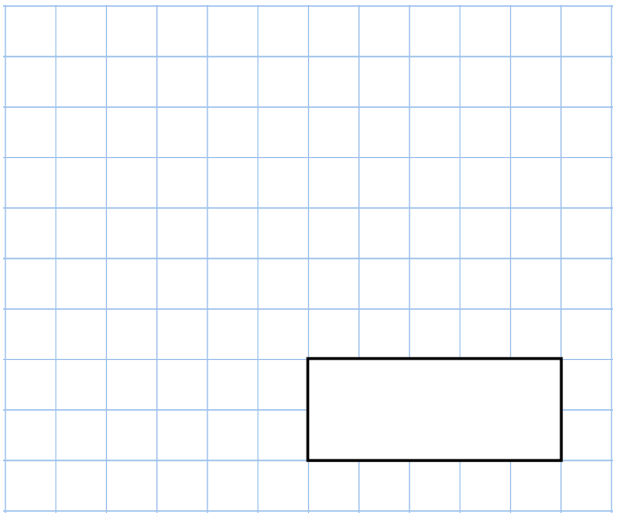
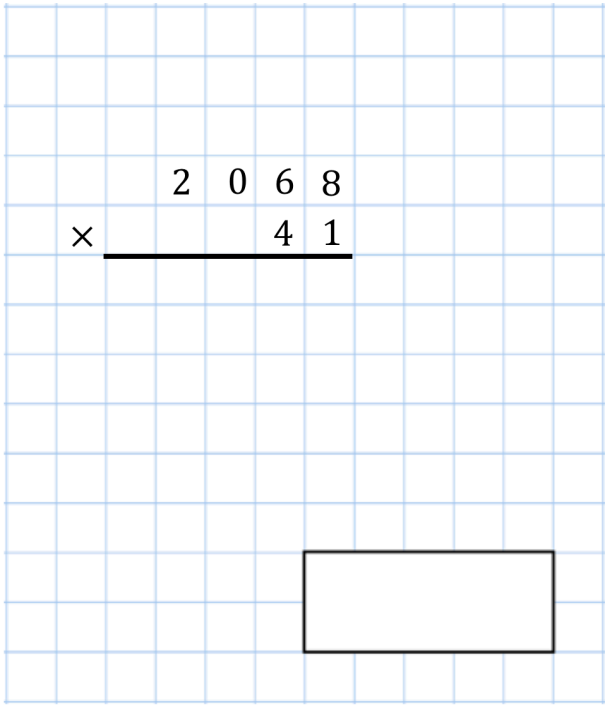
Name: _____ Primary 5-a-day Platinum

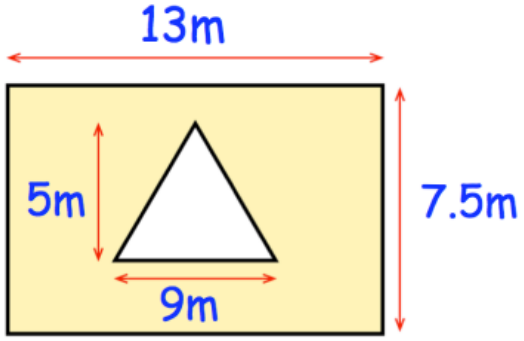
22nd January

$$3\frac{4}{5} = \frac{\square}{5}$$



$$\begin{array}{r} 2\ 0\ 6\ 8 \\ \times\quad\quad 4\ 1 \\ \hline \end{array}$$





Work out the shaded area

Result	Percentage
Win	50%
Draw	36%
Lose	14%

Alfie makes a pie chart to show the results

What angle should he use for "**draws**?"

Leah bought a new car costing £18,000
She paid a deposit of £2,000.

Leah paid the rest of the money over 50 equal monthly payments.

How much was each monthly payment?

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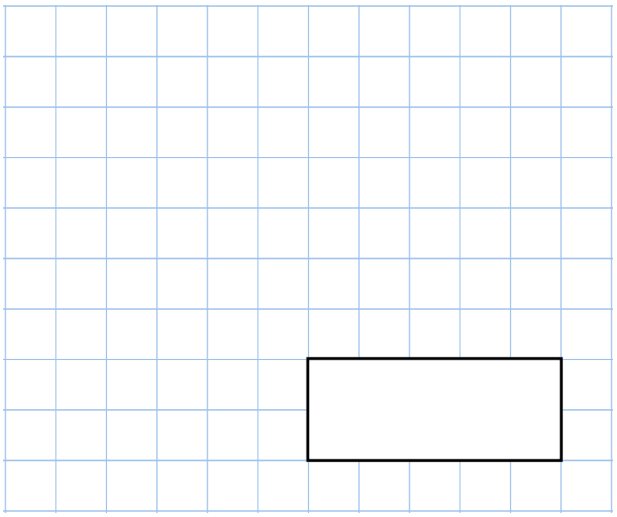
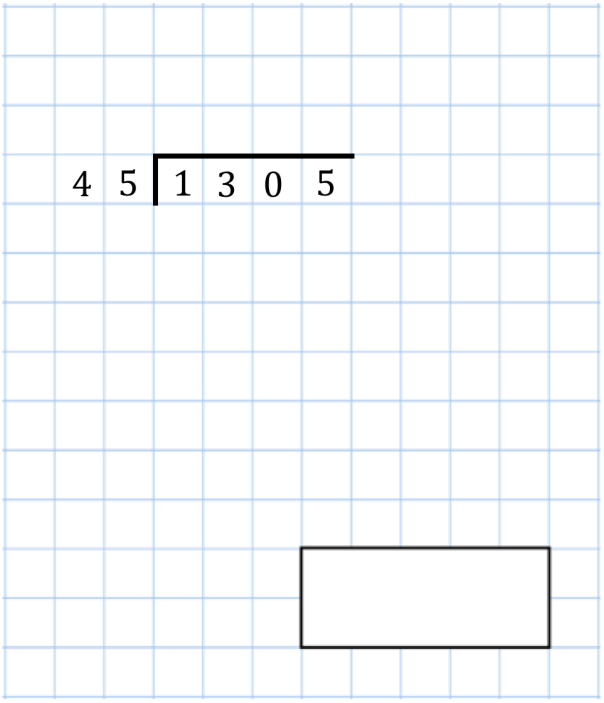
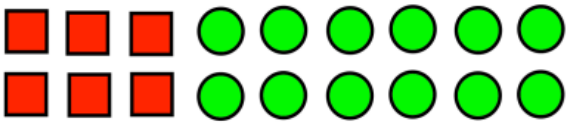
Name: _____ Primary 5-a-day Platinum

23rd January

$$2\frac{2}{5} + \frac{7}{10}$$







Write down the ratio of green circles to red squares

Find the highest common factor (HCF) of 24 and 42

Four bananas have a **mean** mass of 120g

The smallest banana is removed.

The **mean** mass of the remaining three bananas is 130g.

What is the mass of the smallest banana?

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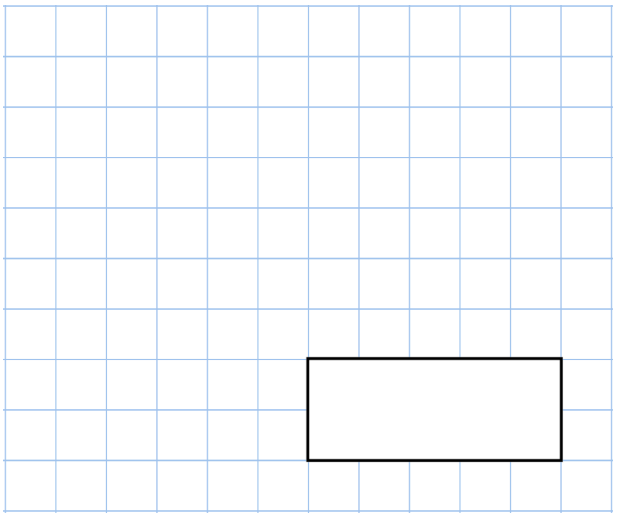
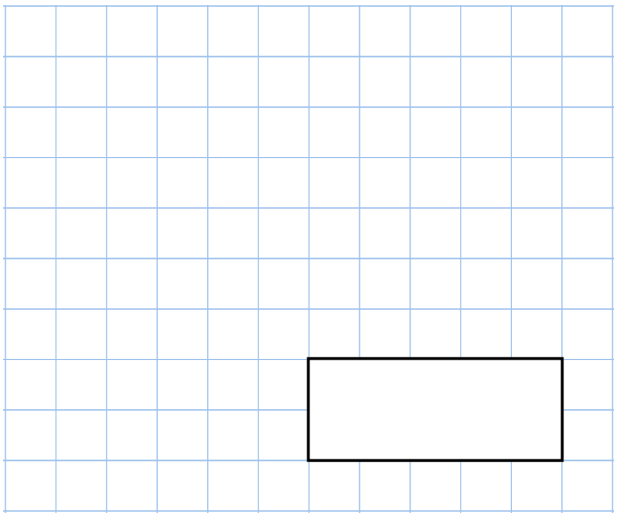
Name: _____ Primary 5-a-day Platinum

24th January

$\frac{4}{5} \div 4$



$\frac{2}{5} \times 280$



Can you spot any mistakes?

Work out $9 + 4 \times 3 + 2$

$= 13 \times 3 + 2$

$= 39 + 2$

$= 41$

Work out the value of y

$2y - 14 = 92$

A red light flashes every 28 seconds and a green light flashes every 24 seconds.

They both flash at the same time.

After how many seconds will they next both flash at the same time?

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Name: _____ Primary 5-a-day Platinum

25th January

$100 - 50 \times 2 + 1$

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

Round 15.31681 to 2 decimal places

Jake is making scones

Here is a list of ingredients to make 8 scones.

8 Scones

200g flour
30g caster sugar
50g butter
140ml milk
1 egg

How much of flour and butter would he need to make 6 scones?

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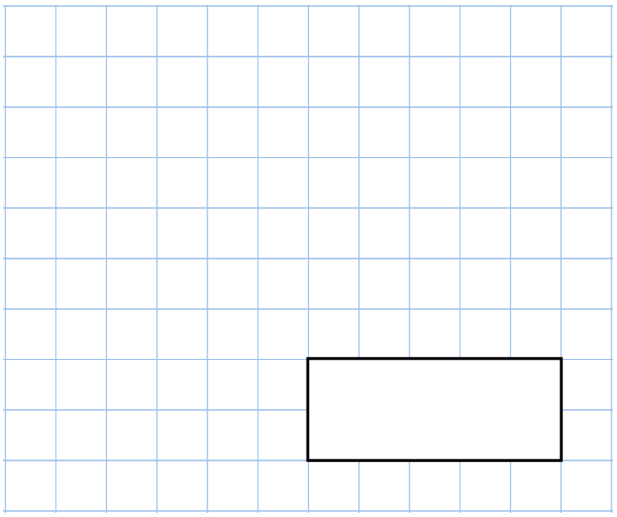
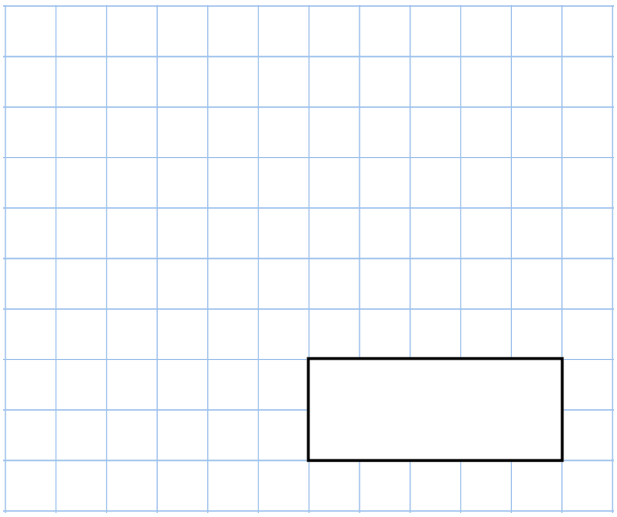
Name: _____ Primary 5-a-day Platinum

26th January

2.4×101



$70\% \ of \ 350$



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

What number comes at the end of row 20?

Which row has a sum of 309?

Work out the missing number

$$\square \div \frac{7}{15} = \frac{2}{3}$$

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Name: _____ Primary 5-a-day Platinum

27th January

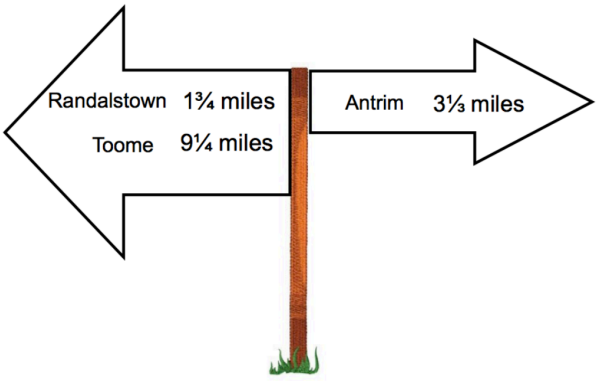
$6 + 21 \times 3 + 10$

5^3

William Shakespeare was born in 1564

Write 1564 in Roman numerals

Lewis is walking from Antrim to Randalstown



Work out the distance from Antrim to Randalstown

Work out the distance from Randalstown to Toome

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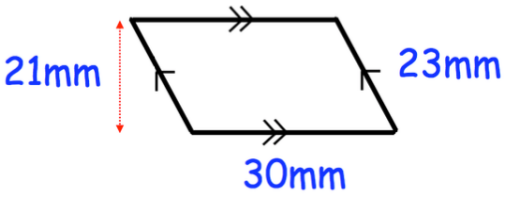
Name: _____ Primary 5-a-day Platinum

28th January

$-17 - 16$	$1276 \div 11$
Find the area of the parallelogram	
An adult ticket for the cinema is £13.00 A child ticket is half the price of an adult ticket. Mr and Mrs Henderson and their four children go to see a movie. Mrs Henderson has a voucher to save 8%. How much does she have to pay for the tickets?	
Explain how 42 x 31 = 1302 can be used to work out the value to 840 x 31	

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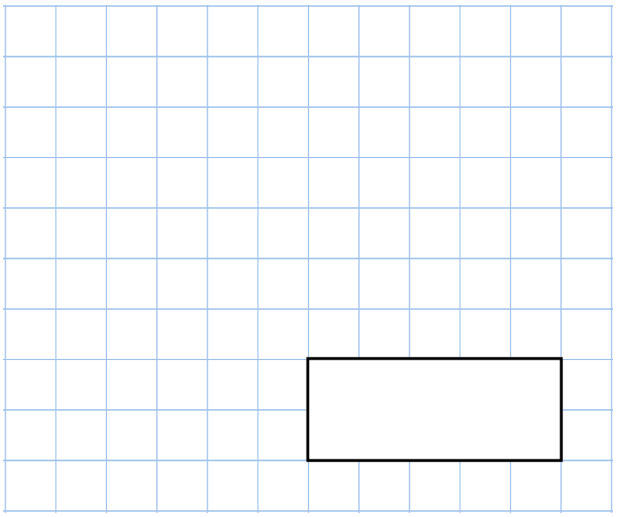
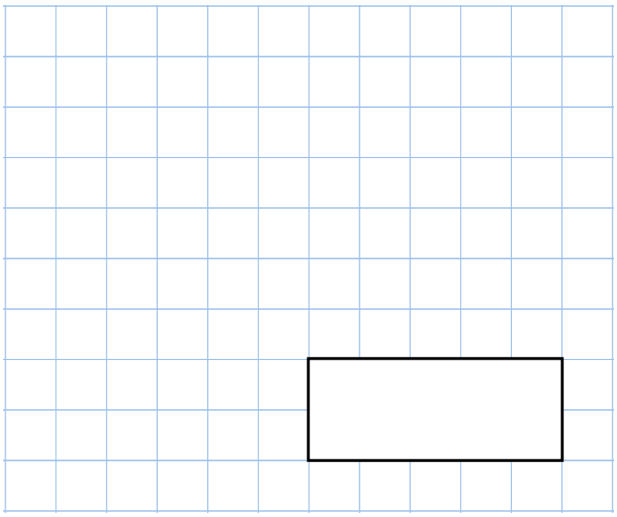
29th January

$1{,}401{,}605 - 580{,}070$



308×62



The perimeter of a square is 25cm

Find the length of each side.

Tim had some money
He spent £1.75 on a drink and £3.40 on a sandwich.

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

How much money did Tim have to start with?

Hugo calculates the size of each angle for a pie chart

Destination	Frequency	
Employment	15	$\times\ 0.2 = 3^\circ$
Apprenticeship	11	$\times\ 0.2 = 2.2^\circ$
Further Education	40	$\times\ 0.2 = 8^\circ$
Gap Year	6	$\times\ 0.2 = 1.2^\circ$

15 + 11+ 40 + 6 = 72

72 ÷ 360 = 0.2° per person

Can you spot what Hugo has done wrong?

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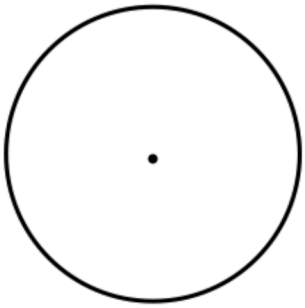
Name: _____ Primary 5-a-day Platinum

30th January

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

$9 \times \frac{3}{5}$

Draw the diameter on this circle

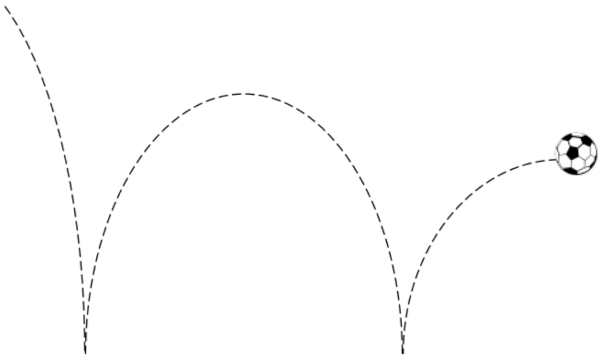


A football is dropped and bounces up to a height that is 80% of the height from which it was dropped.

It then bounces again to a height that is 80% of the previous height and so on.

The football is dropped from a height of 10m.

What height does the ball rise to after the second bounce?



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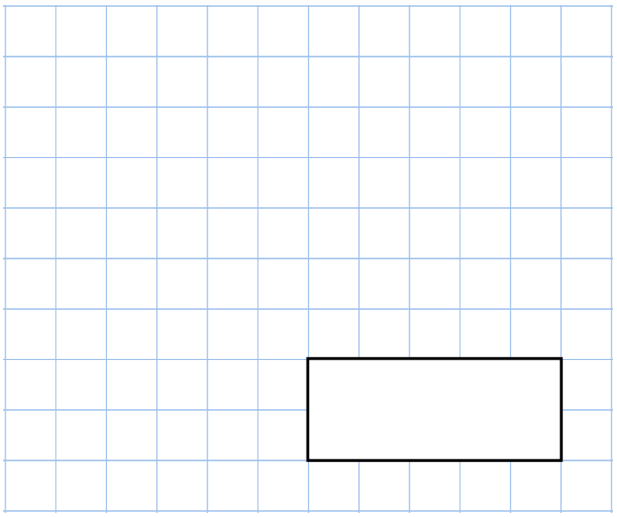
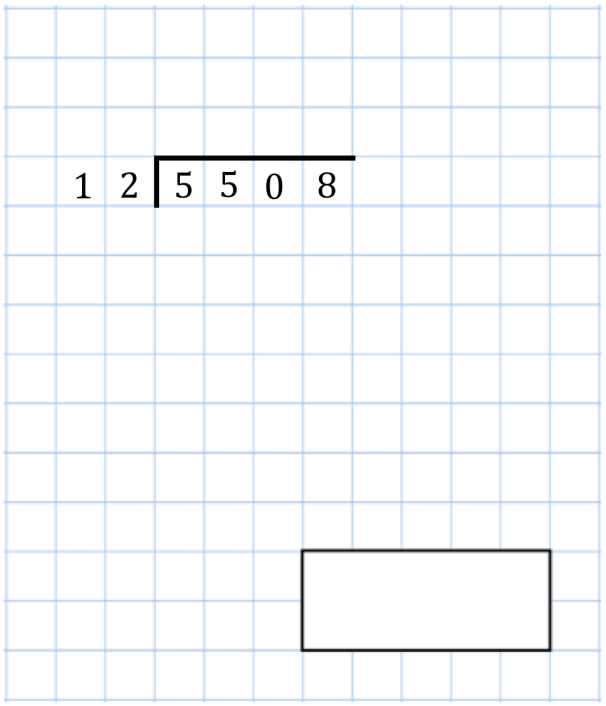
Name: _____ Primary 5-a-day Platinum

31st January

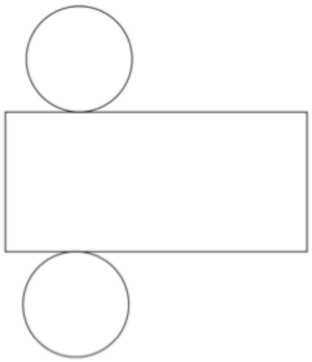
$3.9 \times 4{,}000$





Shown is a net for a 3D shape

Which 3D shape?



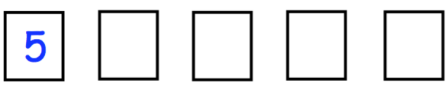
On a map, 1cm represents 40 km.

The distance between two cities is 340km

On the map, what is the distance between the two cities?

Shown below are five cards which are arranged in order, smallest first
The difference between the smallest and largest is 6.
The middle card is 25% of 28.
The mean of the cards is 8.

Work out the 4 missing numbers



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