



1st March

$$\frac{6}{7} \div 2$$

$$\frac{3}{7}$$

$$\begin{array}{r} 37 \\ 49 \overline{) 1813} \end{array}$$

$$37$$

In this rectangle, $\frac{4}{9}$ is shaded purple

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



What fraction of the rectangle is not shaded?

$$\begin{aligned} \frac{4}{9} + \frac{1}{5} \\ = \frac{20}{45} + \frac{9}{45} = \frac{29}{45} \end{aligned}$$

$$\frac{16}{45}$$

$$w = 17$$

Work out $6w + 7$

$$\underline{109}$$

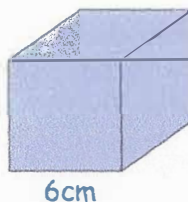
$$\begin{array}{r} 17 \\ \times 6 \\ \hline 102 \end{array}$$

$$102 + 7 = 109$$

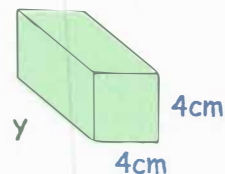
The volume of the cube and the cuboid are equal.

Find the length of the cuboid.

$$\underline{13.5 \text{ cm}}$$



$$6 \times 6 \times 6 = 216$$



$$216 \div (4^2) = 13.5$$



2nd March

$$15\% \times 2,000$$

$$\begin{array}{r} 10\% = 200 \\ 5\% = \frac{100}{2} = 50 \\ \hline 300 \end{array}$$

300

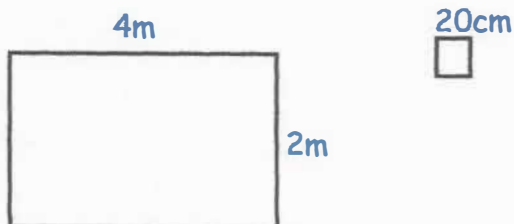
$$2\frac{1}{2} \times 17$$

$$\begin{array}{r} 2 \times 17 = 34 \\ \frac{1}{2} \times 17 = 8.5 \\ \hline 42.5 \end{array}$$

42.5

Mr Harris is tiling his bathroom floor.
The bathroom floor is a rectangle
measuring 4m by 2m.
Each tile is 20cm by 20cm

How many tiles does he need?



$$\begin{array}{l} 400 \div 20 = 20 \text{ tiles} \\ 200 \div 20 = 10 \text{ tiles} \end{array}$$

$$20 \times 10 = \underline{200} \text{ tiles}$$

or

$$400 \times 200 = 80,000 \text{ cm}^2$$

$$20 \times 20 = 400 \text{ cm}^2$$

$$80,000 \div 400 = \underline{200} \text{ tiles}$$

Find the lowest common multiple (LCM) of
5, 6 and 9

90



3rd March

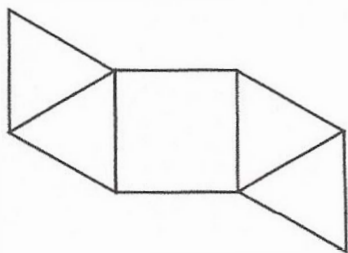
$$0.07 \times 200$$

14

$$9\% \text{ of } 300$$

$$9 \times 3 = 27$$

27



This is a net for which 3D shape?

square based
pyramid

Concrete is made by mixing **cement**,
sand and **gravel** in the ratio 1 : 2 : 3

How many kilograms of **cement** and
gravel are needed to mix with
30 kilograms of sand?

$$\begin{array}{l} 1 : 2 : 3 \quad 3 \times 15 \\ ? : 30 : ? \end{array}$$

15

kg of cement

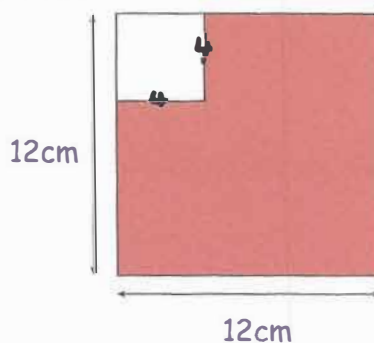
45

kg of gravel

A white square is painted in one corner of
a red square.
Each side of the white square is **a third** of
the length of the red square.

What is the area of the red section?

$$12^2 - 4^2 = \underline{128\text{cm}^2}$$



Name: Anwen

5-a-day

Platinum



4th March

$$2\frac{1}{4} + \frac{7}{8}$$

$$2\frac{2}{8} + \frac{7}{8} = 2 + \frac{9}{8}$$

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

45% of 720

$$\begin{array}{r} 50\% - 360 \\ 5\% - 36 \end{array}$$

$$360 - 36 =$$

$$324$$

Circle any fraction that is greater than

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

but less than

$$\frac{1}{\cancel{8}2}$$

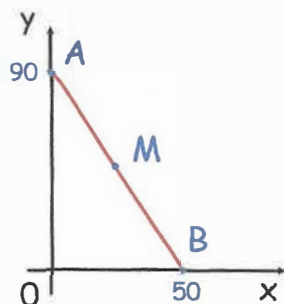
$$\left(\frac{4}{9}\right)$$

$$\frac{3}{5}$$

$$\frac{13}{20}$$

$$\frac{5}{8}$$

$$\frac{7}{10}$$



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

What are the coordinates of M?

$$(25, 45)$$

Owen has 3 marbles more than Mia
Mia has 6 marbles more than Carl.

Altogether they have 30 marbles.

How many marbles does each child have?

$$\text{Carl } \boxed{5} \quad \text{Owen } \boxed{14} \quad \text{Mia } \boxed{11}$$



5th March

$$\frac{7}{10} \div 2$$

$$\frac{7}{20}$$

$$4,871 \times 26$$

$$\begin{array}{r} 4871 \\ \times 26 \\ \hline 29226 \\ 97420 \\ \hline 126646 \end{array}$$

$$126,646$$

Some students sit a test.
The test is out of 40 marks

Martin 30 marks

Gina 35 marks ✓

Ricky 31 marks

Vicky 38 marks ✓

Chloe 29 marks

The pass mark is 80%

Work out the fraction of the students that passed the exam.

$$80\% \text{ of } 40 = 32$$

$$\frac{2}{5} \text{ passed}$$

A toy grows when placed in a bucket of water.

The toy doubles in size every minute.

After 5 minutes the toy will half-filled the bucket.

After how many minutes will the toy fill the bucket?

6 minutes

A 10p coin has a diameter of 24.5mm

Caitlyn makes a straight line of 10p coins worth £20



How long is the line?

Give your answer in metres.

£20 is 200 10p pieces

$$24.5\text{mm} \times 200 = 4900\text{mm} = 4.9\text{m}$$



6th March

$$80 - 24 \div 8$$

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

$$\frac{6}{5} - \frac{3}{4}$$

$$\frac{24}{20} - \frac{15}{20}$$

77

$\frac{9}{20}$

Jenny bought a car.

She paid a deposit of £855.

Jenny paid 48 payments of £185.

How much did the car cost Jenny in total?

$$185 \times 48 = \pounds 8880$$

$$+ \pounds 855$$

$$= \pounds 9065$$

8

9

10

11

12

13

14

15

16

What numbers did they each start with?

Barbara picks two odd number cards
Denise picks two even number cards

Barbara gives one of her cards to Denise
Denise gives one of her cards to Barbara

Barbara says "my cards are now both factors of 30."

Denise says "my cards are now both square numbers."

Barbara

9

15

Denise

16

10

Name: Answers

5-a-day

Platinum



7th March

$$160 \times \frac{3}{5}$$

$$\begin{array}{r} 32 \\ 5 \overline{) 160} \\ \underline{150} \\ 10 \\ \underline{10} \\ 0 \end{array}$$

$$32 \times 3 =$$

96

$$\begin{array}{r} 27 \\ 42 \overline{) 1134} \\ \underline{84} \\ 294 \\ \underline{252} \\ 420 \\ \underline{420} \\ 0 \end{array}$$

27

Mervyn drives for 13 hours.

His car uses 6.72 litres of diesel an hour.

How many litres of diesel does he use?

87.36

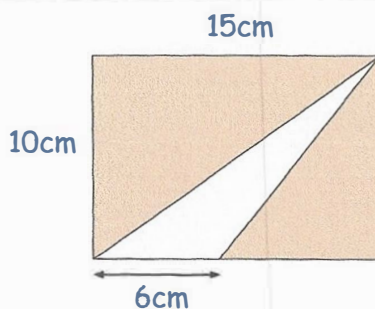
$$\begin{array}{r} 672 \\ \times 13 \\ \hline 2016 \\ 6720 \\ \hline 8736 \end{array}$$

Find the shaded area

$$6 \times 10 = 60$$

$$\frac{1}{2} \times 60 = 30 \text{ cm}^2$$

$$150 - 30 = 120 \text{ cm}^2$$



Find the highest common factor (HCF) of 28 and 70.

14

Name: Answers

5-a-day

Platinum



8th March

$$5,030,124 - 3,111,809$$

$$\begin{array}{r} 45029124 \\ - 3111809 \\ \hline 1918315 \end{array}$$

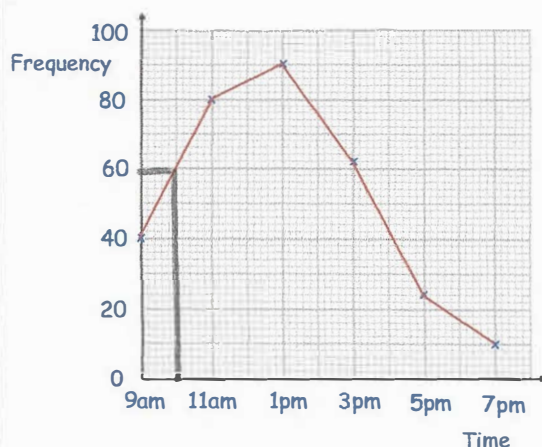
1,918,315

$$\begin{array}{r} 3791 \\ \times 31 \\ \hline 3791 \\ 113730 \\ \hline 117521 \end{array}$$

117,521

Sally recorded the number of cars in a car park at 9am, 11am, 3pm, 5pm and 7pm.

The line graph shows her results



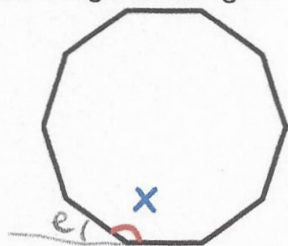
Estimate the number of cars in the car park at 10am.

60

Estimate the number of cars in the car park at midnight

0

Shown is a regular decagon



Find the size of angle x

$$\text{exterior angle } e = 360 \div 10 = 36$$

$$x = 180 - 36 = 144^\circ$$



9th March

$$27 \times 3.1$$

$$\begin{array}{r} 27 \\ \times 3.1 \\ \hline 27 \\ 810 \\ \hline 837 \end{array}$$

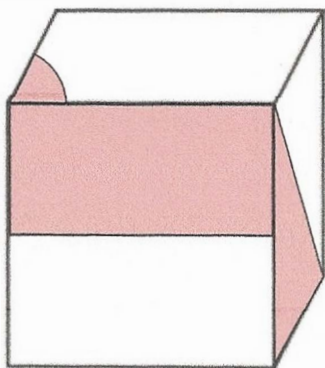
83.7

$$5\% \text{ of } 510$$

$$10\% \text{ is } 51$$

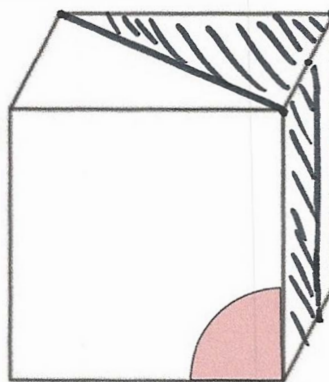
25.5

This cube has shapes drawn on three of its faces



The cube is turned to look like this.

Draw and shade the missing shapes



A farmer says he has 2,500 sheep to the nearest 100.

What is the greatest possible number of sheep that he has?

2549

Name: Answers

5-a-day

Platinum



10th March

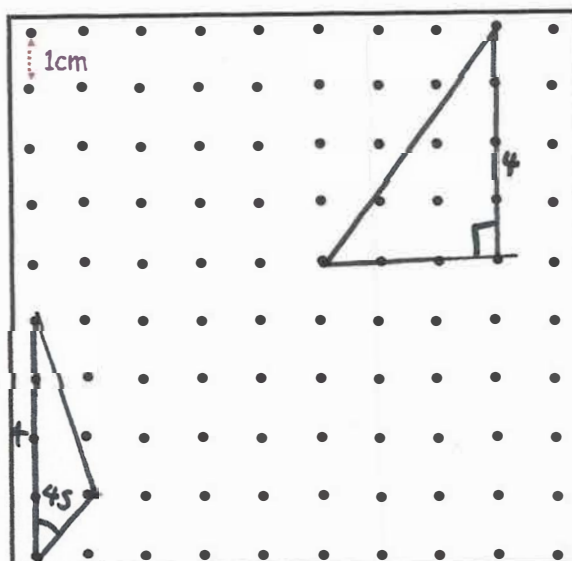
$$\frac{4}{7} \times \frac{2}{3}$$

$$\frac{8}{21}$$

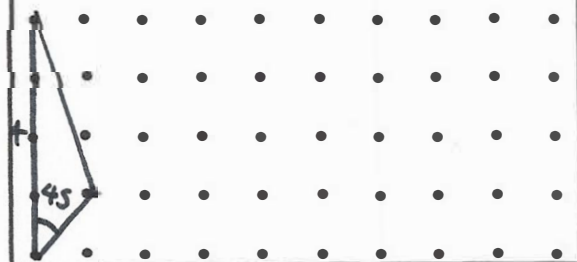
$$40 \div (2 + 3)$$

$$8$$

On the grid, draw a triangle with **only one** side of 4cm and a 90° angle

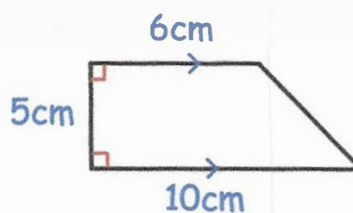


On the grid, draw a triangle with **only one** side of 4cm and **only one** 45° angle



Work out the area of the trapezium

$$\frac{10+6}{2} \times 5 = \underline{40\text{cm}^2}$$





11th March

$$83 \div 4$$

$$\begin{array}{r} 20.75 \\ 4 \overline{) 83.00} \\ \underline{80} \\ 30 \\ \underline{28} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

20.75

11% of 4,000

$$\begin{array}{l} 10\% \text{ is } 400 \\ 1\% \text{ is } 40 \end{array}$$

440

Find the value of x

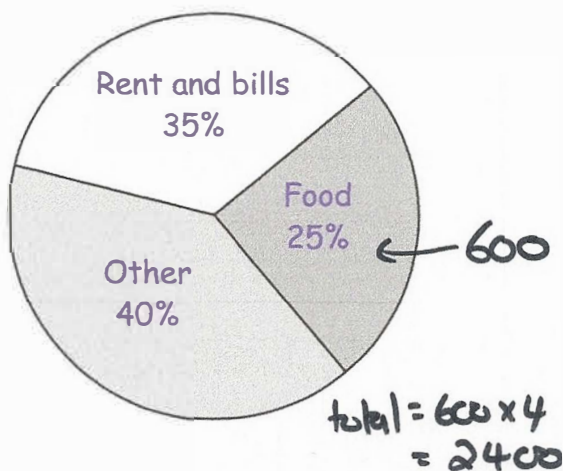
$$7x - 6 = 71$$

$$7x = 77$$

$$\underline{x = 11}$$

The pie chart shows how Kate she spends her money each month.

Kate spends £600 on food each month



How much money does Kate spend on **other** each month?

$$\begin{array}{l} 40\% \text{ of } 2400 \\ = \pounds 960 \end{array}$$

How much money does Kate spend on **Rent and bills** each month?

$$\pounds 840$$

Name: **Answers**

5-a-day

Platinum



12th March

$$0.7 \times 5,000$$

3500

$$1,309 \div 17$$

$$\begin{array}{r} 77 \\ 17 \overline{) 1309} \\ \underline{119} \\ 119 \\ \underline{119} \\ 0 \end{array}$$

77

Find the lowest common multiple of 16 and 20.

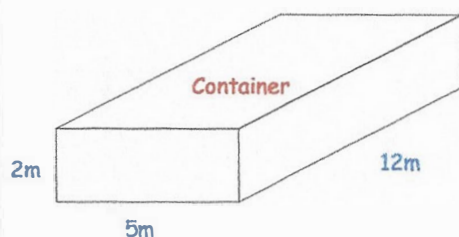
16, 32, 48, 64, 80
20, 40, 60, 80

80

A cuboid container is keep boxes.

Each box is a cube with side length 1m.

How many boxes can fit into the container?



120

$$5 \times 12 = 60$$

$$60 \times 2 = 120$$



13th March

$$90\% \times 900$$

810

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

$$\frac{10}{3} - \frac{1}{2} =$$

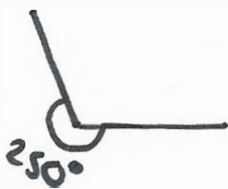
$$\frac{20 - 3}{6} = \frac{17}{6}$$

 $2\frac{5}{6}$

Work out the missing number

The first multiples of add to 54

Using different numbers, fill in the missing numbers below

The first multiples of add to 54Draw a 250° angle

Write the number 1960 in Roman numerals

MCM LX



14th March

$$1.83 \times 9$$

$$\begin{array}{r} 1.83 \\ \times 9 \\ \hline 16.47 \end{array}$$

16.47

$$\begin{array}{r} 124 \\ 35 \overline{) 4340} \\ \underline{35} \\ 84 \\ \underline{84} \\ 0 \end{array}$$

124

James and Mark share 55 sweets in the ratio 2:3.

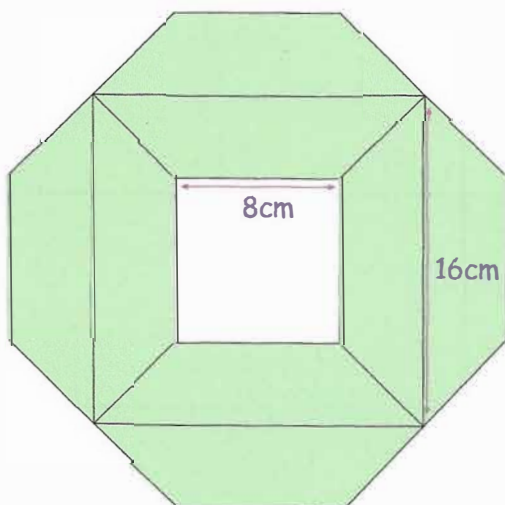
How many sweets does Mark get?

33

$$55 \div 5 = 11$$

$$11 \times 3 = 33$$

A logo is made from a square and 8 identical trapeziums.



Find the area of one trapezium

$$\frac{8+16}{2} \times 4 = 48 \text{ cm}^2$$

Find the total area of the logo.

$$48 \times 8 = 384 \text{ cm}^2$$

$$8 \times 8 = 64 \text{ cm}^2$$

$$\underline{448 \text{ cm}^2}$$



15th March

$$\begin{array}{r} 162 \\ 24 \overline{) 3848} \\ \underline{48} \\ 88 \\ \underline{88} \\ 0 \end{array}$$

162

$$\frac{1}{6} \div 3$$

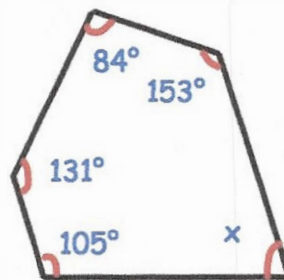
$$\frac{1}{6} \times \frac{1}{3} =$$

 $\frac{1}{18}$

Find the size of angle x

$$\text{total} = (5-2) \times 180 = 540^\circ$$

$$x = 67^\circ$$



$$c = 14$$

Work out $3c - 19$

$$3 \times 14 - 19 = 23$$

Shown are four number cards.

The mean of the four numbers is 12.

Find the missing number.

$$\text{total} = 4 \times 12 = 48$$

13

5

8

22



16th March

$$35\% \times 120$$

$$\begin{aligned} 10\% \times 120 &= 12 \\ 30\% \times 120 &= 36 \\ 5\% \times 120 &= 6 \end{aligned}$$

42

$$\frac{\square}{180} = 0.1$$

18

Each quadrilateral has a perimeter of 32cm.

Complete the table

	Side Lengths			
Rectangle	10cm	6cm	10cm	6cm
Rhombus	8cm	8	8	8
Parallelogram	11cm	11	5	5
Kite	9cm	9	7	7

Find the value of y

$$6y + 4 = 3y + 22$$

$$3y = 18$$

$$\underline{y = 6}$$

Shay has £1000 to spend on lemon trees and plum trees.

Each lemon tree costs £18

Each plum tree costs £24

Shay buys 19 lemon trees.

How many plum trees can Shay buy?

$$19 \times 18 = 342$$

$$1000 - 342 = 658$$

$$658 \div 24 = 27 \text{ R } 4$$

27



17th March

$$14.688 \div 12$$

$$\begin{array}{r} 1.224 \\ 12 \overline{) 14.688} \end{array}$$

1.224

$$\begin{array}{r} 1872 \\ \times 25 \\ \hline 9360 \\ 37440 \\ \hline 46800 \end{array}$$

46800

A bus travels 120 miles at a speed of 40 miles per hour.

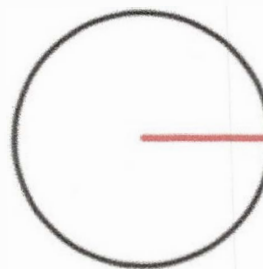
How long does the journey take?

$$120 \div 40 = \underline{3 \text{ hours}}$$



What part of the circle is shown in red?

radius



Two whole numbers multiply together to give an answer of 600.

Neither of the numbers contains the digit zero.

What are the two numbers?

24, 25 or

8, 75

Name: Anwen

5-a-day

Platinum



18th March

$$945 \div 35$$

$$\begin{array}{r} 27 \\ 35 \overline{) 945} \\ \underline{70} \\ 245 \\ \underline{210} \\ 35 \end{array}$$

27

$$\frac{7}{8} = 87.5\%$$

87.5 %

I am thinking of a number that is not zero.

I **multiply** my number by -2

Tick the statement that is true.

- ☐ The answer must be positive
- ☐ The answer must be negative
- ☒ The answer could be positive or negative

Rebecca is $\frac{1}{3}$ of Barry's age.

Barry is $\frac{1}{6}$ of Neville's age.

If Rebecca is 4 years old, how old is Neville?

72

Barry $3 \times 4 = 12$

Neville $12 \times 6 = 72$



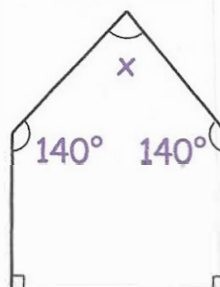
Is the shape a **regular** pentagon?

Yes

No

Find the size of angle x

$$540 - 90 - 90 - 140 - 140 = 80^\circ$$





19th March

$$\frac{8}{9} \div 4$$

$$\frac{8}{9} \times \frac{1}{4} = \frac{8}{36} =$$

$$\frac{2}{9}$$

$$802 \times 223$$

$$\begin{array}{r} 802 \\ \times 223 \\ \hline 2406 \\ 16040 \\ 160400 \\ \hline 178846 \end{array}$$

$$178,846$$

Find three different prime numbers that have a product of 165

$$3, 5, 11$$

Joey thinks the answer to $16 + 4 \times 2$ is 40.

Tim thinks the answer to $16 + 4 \times 2$ is 24.

Who is correct?

Explain your answer.

Tim, you must $\times$ before $+$

Here are three equations

$$x + y + z = 28 \quad z = 9$$

$$x + y = 19 \quad x = 15$$

$$y + z = 13 \quad y = 4$$

What are the values of x , y and z ?

$$x = 15 \quad y = 4 \quad z = 9$$



20th March

$$1.09 \times 13$$

$$\begin{array}{r} 109 \\ \times 13 \\ \hline 327 \\ 1090 \\ \hline 1417 \end{array}$$

14.17

$$\begin{array}{r} 153 \\ 18 \overline{) 2754} \\ \underline{36} \\ 95 \\ \underline{180} \\ 154 \end{array}$$

153

Two glasses contain orange juice.

A 400ml glass is 40% full.

A 300ml glass is half full.

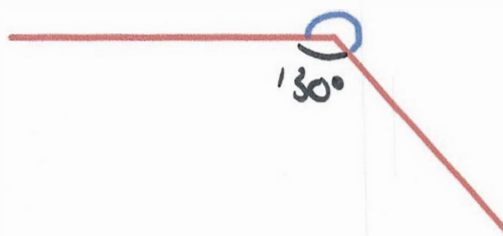
Which glass contains less orange juice?

$$40\% \text{ of } 400 = 160 \text{ ml}$$

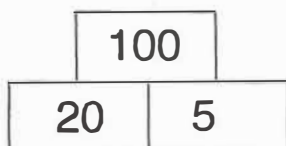
$$\frac{1}{2} \text{ of } 300 = 150 \text{ ml}$$

The 300ml contains less

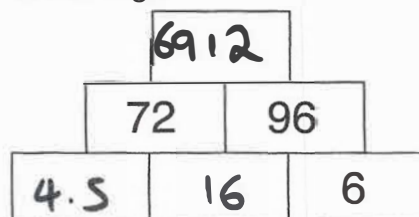
Measure this reflex angle

230°

In this multiplication pyramid, two numbers are multiplied to give the number above.



Find the missing numbers





21st March

$$0.875 \div 7$$

$$\begin{array}{r} 0.125 \\ 7 \overline{) 0.875} \\ \underline{7 } \\ 17 \\ \underline{14 } \\ 35 \\ \underline{35} \\ 0 \end{array}$$

0.125

$$70\% \text{ of } 900$$

$$\begin{array}{l} 10\% \text{ is } 90 \\ \times 7 \end{array}$$

$$70\% \text{ is } 90 \times 7 =$$

630

Find the lowest common multiple (LCM) of 16 and 20

80

16, 32, 48, 64, 80
20, 40, 60, 80

Sofa World and Sofa Land charge to deliver pizzas.



Describe the delivery cost of Sofa Land.

Sofa World has be done for you.

Sofa World

The greater the delivery distance, the greater the delivery cost.

Sofa Land

costs £10 whatever the distance is



22nd March

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

$$1\frac{2}{6} + \frac{3}{6} =$$

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

$$-18 - 25$$

$$-43$$

Adam is organising a charity concert at school.

The concert is sold out.

The hall holds 35 rows of 42 seats.

Each person pays £18

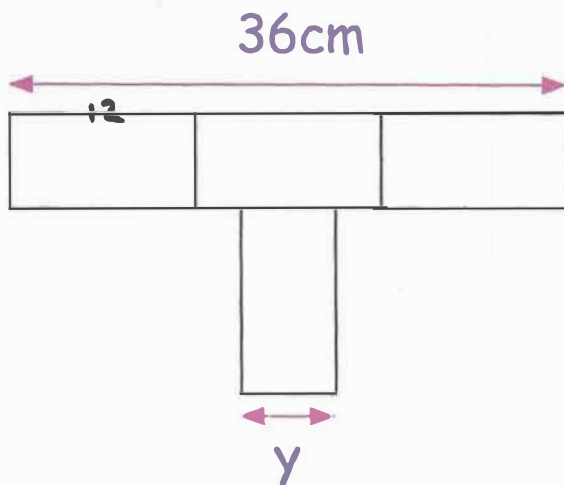
How much money will Adam raise for charity?

$$35 \times 42 \times 18$$
$$= \underline{\pounds 26,460}$$



Here is a shape made from 4 identical rectangles.

The total area is 336 cm^2



Work out the value of y

$$336 \div 4 = 84$$

each rectangle has area
 84 cm^2

$$84 \div 12 = 7$$

$$\underline{y = 7}$$



23rd March

$$0.95 = \frac{\square}{\square}$$

$$\frac{19}{20}$$

$$0.072 \times 100,000$$

$$7200$$

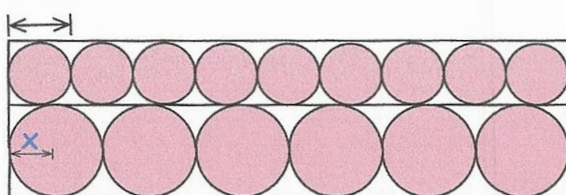
Write the number 2019 in Roman numerals

MMXIX



Some small circles and large circles fit exactly inside this rectangle.

22cm



The diameter of a small circle is 22cm.

Work out the **radius** of a large circle.

$$22 \times 9 = 198 \text{ cm}$$

$$198 \div 6 = 33$$

$$33 \div 2 = \underline{16.5 \text{ cm}}$$



24th March

$$12.5\% = \frac{\boxed{}}{\boxed{}}$$

$$450 \times 8 = 25 \times \boxed{144}$$

$$450 \times 8 = 3600$$

$$3600 \div 25 =$$

$$\boxed{\frac{1}{8}}$$

$$\boxed{144}$$

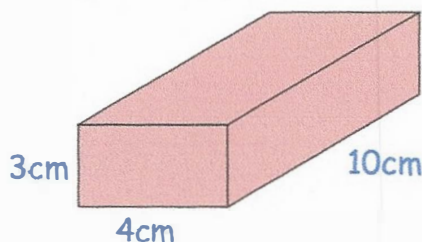
A chocolate bar contains 0.47153g of salt.

Round this to three decimal places.

0.472

Work out the volume of this cuboid

$$3 \times 4 \times 10 = \underline{120 \text{ cm}^3}$$



Molly thinks of a number.

She adds half of the number to a third of the number.

Her answer is 75.

What was the number Molly first thought of?

$$\frac{5}{6} \text{ is } 75$$

$$\frac{1}{6} \text{ is } 15$$

$$15 \times 6 = \underline{90}$$





25th March

$$4.86 \div 6$$

$$\begin{array}{r} 0.81 \\ 6 \overline{) 4.86} \end{array}$$

0.81

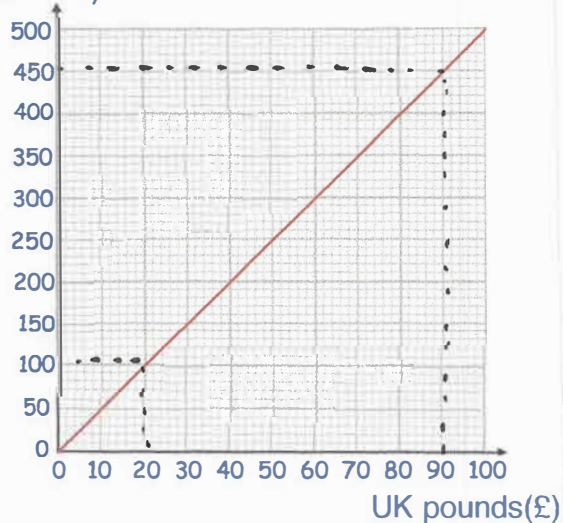
$$\frac{7}{9} \times \frac{2}{3}$$

$$= \frac{14}{27}$$

 $\frac{14}{27}$

This graph helps change UK pounds into Polish zloty

Polish zloty



Change £20 into Polish zloty

100 zloty

Change 450 zloty into UK pounds.

£90

Kelsey says that she has drawn a triangle where "two of the three angles are obtuse."

Explain why Kelsey must be incorrect.

Two obtuse angles will add up to more than 180° , since each is greater than 90°



26th March

Simplify $\frac{1650}{1850}$

$$\frac{165}{185} = \frac{33}{37}$$

$$\frac{33}{37}$$

$$\frac{9}{10} - \frac{1}{7}$$

$$\frac{63 - 10}{70} =$$

$$\frac{53}{70}$$

Roger organises a trip to a museum.

The total price of the tickets is £103.50

The total price for the coach is £64.80.

9 people share the cost equally.

How much does each person pay?

$$103.50 + 64.80$$

$$= \pounds 168.30$$

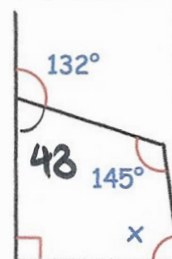
$$\div 9 = \pounds \underline{18.70}$$



Find the size of angle x.

$$x = 360 - (48 + 145 + 90)$$

$$= \underline{77^\circ}$$

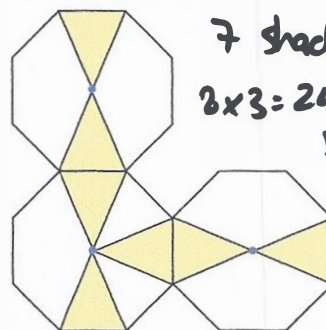


The diagram shows three regular octagons

There is a blue dot at the centre of each octagon.

What fraction of the diagram is shaded?

$$\frac{7}{24}$$



7 shaded
 $8 \times 3 = 24$ in total

Name:

Answers

5-a-day

Platinum



27th March

$$0.35 \times 9$$

$$\begin{array}{r} 35 \\ \times 9 \\ \hline 315 \\ 4 \end{array}$$

3.15

$$4,000 \div 1,000,000$$

0.004

The mean of four numbers is 10.

Three of the numbers are 9, 11 and 7.

Work out the fourth number.

13

$$\text{total is } 10 \times 4 = 40$$

$$40 - (9 + 11 + 7) = 13$$

a and **b** stand for two numbers.

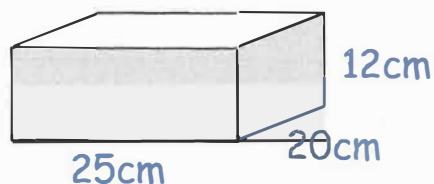
Triple **a** equals a third of **b**

Write numbers to complete the sentence

When **a** is 3 then **b** is 27

(any pair when $b = 9a$)

Every second, 200cm^3 of water comes out of a tap into the tank.



How long does take to fill the tank from empty?

$$12 \times 20 \times 25 = 6000\text{cm}^3$$

$$6000 \div 200 = \underline{30 \text{ secs}}$$

Name: Amey

5-a-day

Platinum



28th March

4% of 2,400

1% is 24
4% is $24 \times 4 =$

96

$$\frac{180}{\square} = 0.2$$

900

Ricky goes on holiday for 4 days.

This table shows how far he walked in the first three days.

Monday	Tuesday	Wednesday
9 miles	5 miles	11 miles

Ricky says that "my mean distance walked for the first three days is greater than 8 miles"

Show Ricky is correct.

$$9 + 5 + 11 = 25$$

$$\frac{25}{3} = 8\frac{1}{3} \text{ (which } > 8 \text{)}$$

Thursday is his last day on holiday.

Ricky wants to increase his mean to 10 miles.

How far must Ricky walk on Thursday?

$$\text{total} = 40$$

must walk 15 miles

The ratio of adults to children at a cricket match is 7:3.

There are 120 people at the match.

How many children attended the cricket match?

$$120 \div 10 = 12$$

$$12 \times 3 = \underline{36}$$





29th March

$$\begin{array}{r} 17 \\ 19 \overline{) 323} \end{array}$$

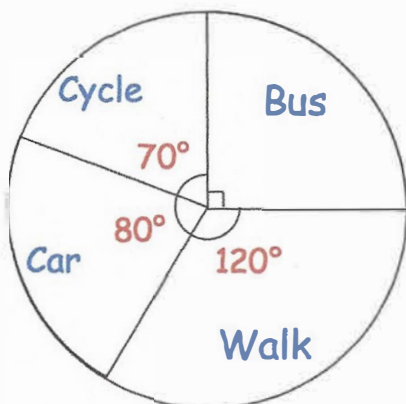
17

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

$$\frac{5}{2} \times 15 = \frac{75}{2}$$

 $37\frac{1}{2}$

The pie chart shows how a group of 72 students travel to school.



How many students get the bus to school?

$$72 \div 4 = 18$$

What fraction of the students travel by car?

$$\frac{70}{360} = \frac{7}{36}$$

The formula $F = 1.8C + 32$ can be used to convert between Celsius and Fahrenheit.

Work out C when $F = 14$

$$1.8C = -18$$

$$C = \underline{-10}$$





30th March

$$\frac{9}{13} \text{ of } 741$$

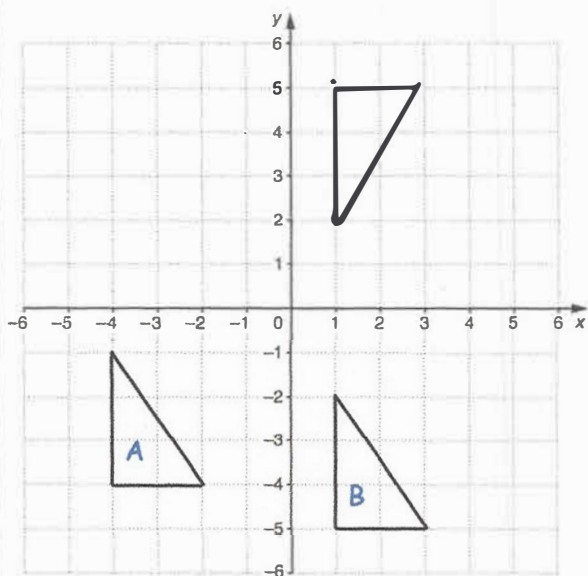
$$\begin{array}{r} 57 \\ 13 \overline{) 7491} \end{array}$$

$$\begin{array}{r} 57 \\ \times 9 \\ \hline 513 \\ 6 \end{array}$$

513

$$800 \times 30\%$$

240



Describe the translation that takes shape A to shape B.

move 5 right, 1 down

Reflect triangle B in the x-axis.

Solve the equation

$$3y - 1 = y + 7$$

$$2y = 8$$

$$\underline{y = 4}$$

Name: Amreen

5-a-day

Platinum



31st March

$$325 \div 13$$

$$\begin{array}{r} 25 \\ 13 \overline{) 325} \\ \underline{26} \\ 65 \\ \underline{65} \\ 0 \end{array}$$

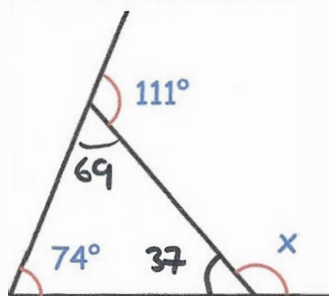
25

$$700 - 100 \times 5 + 90$$

290

Work out the size of angle x

$x = 143$



Helen has used 80% of the coffee in a jar.

120 grams of coffee is left in the jar.

How much coffee does a full jar hold?

600g

$$\begin{array}{l} 120\text{g is } 20\% \\ \times 5 \\ 600\text{g is } 100\% \end{array}$$

M is the midpoint of the line PQ.

Find the coordinates of Q

(9, 11)