

Name: Answer

5-a-day

Gold



1st March

$$45 \times 36$$

$$\begin{array}{r} 45 \\ \times 36 \\ \hline 270 \\ 1350 \\ \hline 1620 \end{array}$$

1620

$$2\frac{1}{2} = \frac{5}{2}$$

5

Holly is saving money for a guitar that costs £50

In January, she saves £15.15

In February, she saves £8.82

In March, Holly saves £13.37

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

~~12~~ 12.66

$$\begin{array}{r} 15.15 \\ 8.82 \\ 13.37 \\ \hline 37.34 \end{array}$$

$$50 - 37.34 = 12.66$$



Work out the mean of these numbers

120 216 81

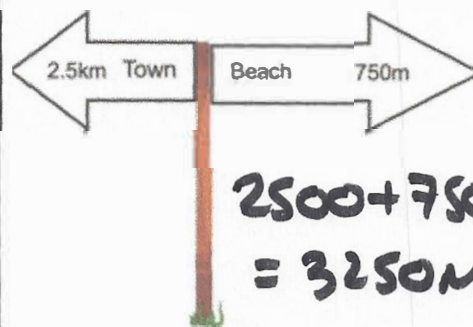
139

$$\frac{417}{3} = 139$$

Work out the distance between the town and the beach.

Include units.

3250m
or 3.25km



$$2500 + 750 = 3250m$$

Name: Answer

5-a-day

Gold



2nd March

$$\frac{2}{5} - \frac{1}{20}$$

$$\frac{8}{20} - \frac{1}{20} =$$

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

$$80,001 - 405$$

$$79596$$

Here is a rule for the cost of a taxi

Cost = £5 plus an extra £1.50 for each mile

How much would a 5 mile journey cost?

$$\begin{aligned} 1.50 \times 5 &= \cancel{7.50} \\ + \cancel{5} &= \underline{\underline{12.50}} \end{aligned}$$

Round 209,987 to the nearest 1,000

210,000

Round 209,987 to the nearest 100

210,000

Circle the numbers that are factors of 60

① 7 8 9 ⑫ 14



3rd March

10^3

1000

$11 \times 13 \times 7$

$11 \times 13 = 143$

$$\begin{array}{r} 143 \\ \times 7 \\ \hline 1001 \end{array}$$

1001

Arrange the landmarks in order, from closest to furthest.

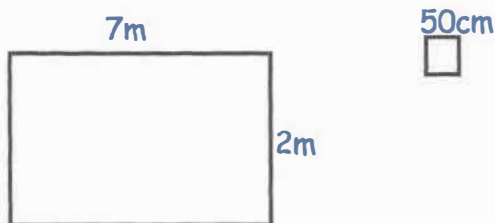
London Eye
Trafalgar Square
Buckingham Palace
Hyde Park
Wembley, Thorpe Park

London Eye	0.41 miles
Wembley	11.62 miles
Buckingham Palace	0.8 miles
Trafalgar Square	0.63 miles
Hyde Park	2.27 miles
Thorpe Park	24.7 miles



Henry is tiling his bathroom floor.

The bathroom is 7m long and 2m wide.



Each tile is a 50cm by 50cm square.
Each tile costs £3.

Work out the total cost of tiling the floor.

Need 14 along
4 up

$14 \times 4 = 56 \text{ tiles}$

$56 \times 3 = \underline{\underline{\pounds 168}}$

Name: Answers

5-a-day

Gold



4th March

$$6,201 \times 6$$

$$\begin{array}{r} 6201 \\ \times 6 \\ \hline 37206 \end{array}$$

37,206

$$560 \div 100$$

5.6

Arrange these numbers in order, starting with the largest.

0.342 0.075 0.256 0.34 0.6 0.4

0.6, 0.4, 0.342

0.34, 0.256, 0.075

Jackie buys 5kg of flour.

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

16

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

$$5000 \div 300 = 16.66..$$

How much flour will Jackie have left?

$$16 \times 300 = 4800$$

200g



Name: **Answers**

5-a-day

Gold



5th March

$$11^2$$

121

$$\frac{3}{20} + \frac{7}{10}$$

$$\frac{3}{20} + \frac{14}{20} =$$

$1\frac{17}{20}$

Circle the prime numbers in this list

4 8 15 **17** 21 **23**

Large pizzas cost £7.75 each
small pizzas cost £5.55 each

Five friends together buy one large pizzas
and three small pizzas.

They share the cost equally.

£4.88

How much does each person pay?

$$\begin{array}{r} 5.55 \\ 3 \\ \hline 16.65 \\ 16.65 \\ 4.88 \\ \hline 24.40 \\ 5 \overline{) 24.40} \end{array}$$

Write the two missing digits to make this
long multiplication correct

$$\begin{array}{r} 7 \quad 9 \\ \times 2 \quad 8 \\ \hline 6 \quad 3 \quad 2 \\ 1 \quad 5 \quad 8 \quad 0 \\ \hline 2 \quad 2 \quad 1 \quad 2 \end{array}$$

Name: Ansury

5-a-day

Gold



6th March

$$\begin{array}{r} 79 \\ \times 32 \\ \hline 158 \\ 2370 \\ \hline 2528 \end{array}$$

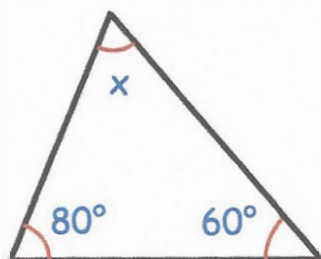
2528

50% of 53

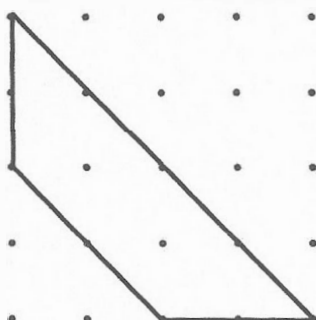
26.5

Find x

$$\begin{aligned} 180 - (80 + 60) \\ = 40^\circ \end{aligned}$$

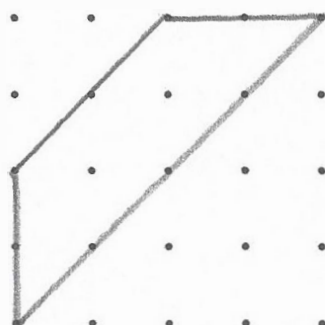


Paige draws this shape on a grid



She turns her grid one quarter turn anticlockwise

Draw the shape in its new position after the turn



Name: Aiswen

5-a-day

Gold



7th March

$$\frac{3}{4} = \frac{9}{12}$$

12

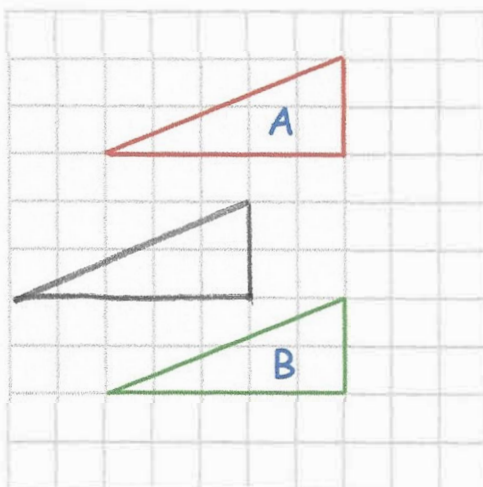
$$1.6 \times 100$$

160

Circle the numbers that are factors of 18 and 27

2 3 6 9 10

Triangle A has been translated to Triangle B



Complete this sentence

Triangle A has been translated

0 squares to the right and

-5 squares upwards

Translate triangle B 2 squares left and 2 squares upwards

Name: Aarwen

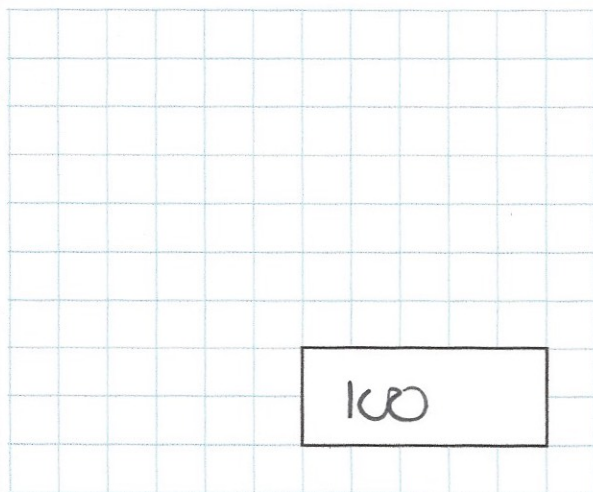
Primary 5-a-day

Bronze

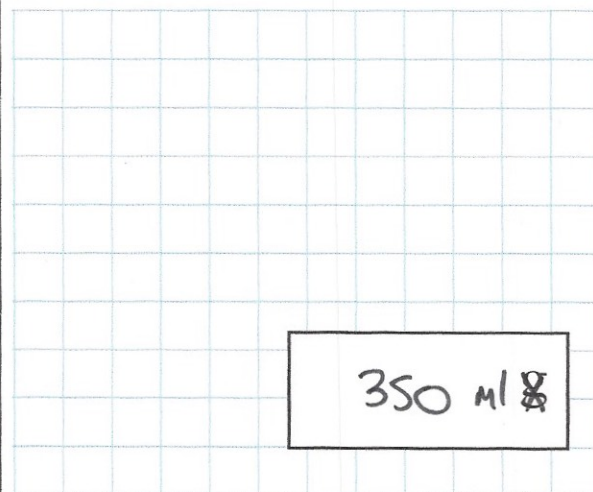


8th March

$$10 \times 10$$

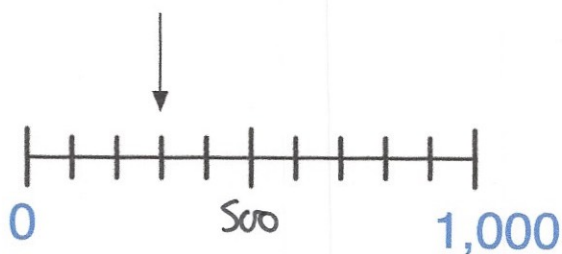


$$250 \text{ ml} + 50 \text{ ml}$$



What number is the arrow pointing to?

300



Leon has written down how many tries he scores in 25 rugby matches

1	2	0	0	1
0	1	0	2	0
0	2	0	1	0
0	1	2	1	2
0	1	1	1	0

Complete the tally chart

Number of tries	Tally	Frequency
0	 	11
1	 	9
2		2
3		3

Mr Martin needs 50 bottles of milk.

Mr Martin has 4 crates of milk.
In a crate, there are 12 bottles of milk.

Does Mr Martin have enough milk?

No, he only has 48

$$4 \times 12 = 48$$



Name: Answers

5-a-day

Gold



9th March

$$9^2$$

81

$$987 + 1,454 + 5,008$$

$$\begin{array}{r} 5008 \\ 1454 \\ 987 \\ \hline 7449 \end{array}$$

7449

Martha says that 7.2 is less than $7\frac{19}{100}$

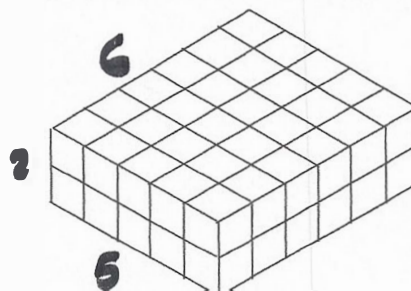
Is she right?

No $7.2 = 7\frac{20}{100}$

Each cube has a volume of 1cm^3

Work out the volume of the cuboid

$$2 \times 6 \times 5 = \underline{60\text{cm}^3}$$



A snowboarder completes 4 somersaults in a jump.

How many degrees does she turn through in the jump?

$$\underline{1440^\circ}$$



$$\begin{array}{r} 360 \\ \times 4 \\ \hline 1440 \end{array}$$

Name: Answer

5-a-day

Gold



10th March

$$8,305 + 1,956$$

$$\begin{array}{r} 8305 \\ + 1956 \\ \hline 10261 \end{array}$$

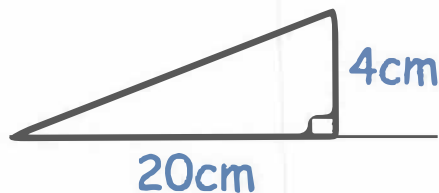
10261

$$4^3$$

64

Find the area of this triangle

$$4 \times 20 \div 2 = \underline{40\text{cm}^2}$$



Put these measurements in order from largest to smallest

2kg, 8000g, 0.9kg, 75g, 0.09kg

8kg 0.09kg

8000g, 2kg, 0.9kg, 0.09kg, 75g

William is thinking of two numbers.
Both numbers are square numbers greater than 1.

The sum of the numbers is 100.

Write down the two numbers.

36 and 64

Name: Answer

5-a-day

Gold



11th March

$$61 \times 19$$

$$\begin{array}{r} 61 \\ \times 19 \\ \hline 549 \\ 610 \\ \hline 1159 \end{array}$$

1159

$$4,067 \div 7$$

$$\begin{array}{r} 581 \\ 7 \overline{)4067} \\ \underline{35} \\ 60 \\ \underline{56} \\ 40 \\ \underline{35} \\ 5 \end{array}$$

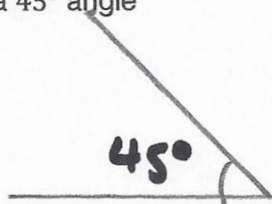
581

10% of the sweets in a bag are green.

If there are 500 sweets in the bag, how many are green?

50

Draw a 45° angle



Three numbers have a mean of 10.

All three numbers are different and none of the numbers is 10.

Write down 3 possible numbers on the cards

7

8

15

(must sum to 30)

Name: Answers

5-a-day

Gold



12th March

$$\frac{4}{5} = \frac{12}{15}$$

4

$$11^2$$

121

Round 4.361 to one decimal place

4.4

A packet of rabbit food contains 2.4 kilograms of rabbit food.

Roisin feeds her rabbit 80 grams of food each day.

How many days does the packet of rabbit food last?

$$2400 \div 80 = \underline{\underline{30}}$$



50 people go on a coach trip to Blackpool. It costs £9 including a map.

Some people don't want a map and they pay only £8.

The 50 people pay a total of £410

How many people don't want a map?

$$50 \times 8 = \cancel{400}$$

$\therefore 10$ people buy a map
so 40 don't



13th March

$$5.12 \times 10$$

51.2

$$\frac{3}{5} + \frac{1}{10}$$

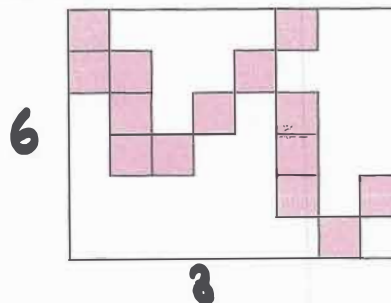
$$\frac{6}{10} + \frac{1}{10} =$$

 $\frac{7}{10}$

Here is a rectangle with 14 identical shaded squares inside it.

What fraction of the rectangle is shaded?
Simplify your answer if possible.

$$\frac{14}{48} = \frac{7}{24}$$

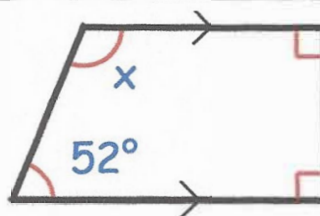


Find the size of angle x

$$52 + 90 + 90 = 232$$

$$360 - 232$$

$$= 128^\circ$$



Arrange in order, from smallest to largest

 $\frac{1}{4}$ 0.19 0.3 26% $\frac{1}{5}$

0.25

0.26 0.20

0.19, $\frac{1}{5}$, $\frac{1}{4}$, 26%, 0.3



14th March

$$5.7 + 2.025$$

$$7.725$$

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

$$\frac{1}{6} + \frac{3}{6} = \frac{4}{6}$$

$$\frac{2}{3}$$

Here is part of a train timetable

Southville	07 04
Leek	07 09
Jamestown	07 38
Lincoln	08 01
Gold City	08 39

Reece lives in Southville and works in Leek.
He works Monday to Friday.
Reece travels to work and back each day by train.

Below is a calendar for November

November

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

How long is the journey from Southville to Leek?

5 minutes

How long does Reece spend on the train in November?

Give your answer in hours and minutes

$$22 \text{ days} \times 5$$

$$= 110 \text{ minutes}$$

$$= 1 \text{ hour } 50 \text{ mins}$$



15th March

50% of 380

190

 45×31

$$\begin{array}{r} 45 \\ \times 31 \\ \hline 45 \\ 1350 \\ \hline 1395 \end{array}$$

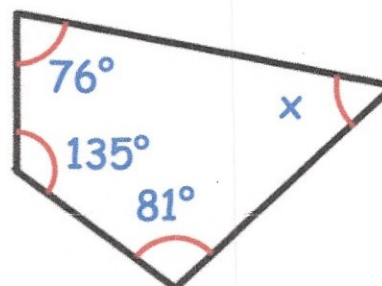
1395

Find the size of angle x

$$76 + 135 + 81 = 292$$

$$360 - 292 = 68$$

$$x = \underline{\underline{68^\circ}}$$



The cost of a plumber is found by

£15 x number of hours

£195

Mr Smith hires a plumber and the job lasts 13 hours.

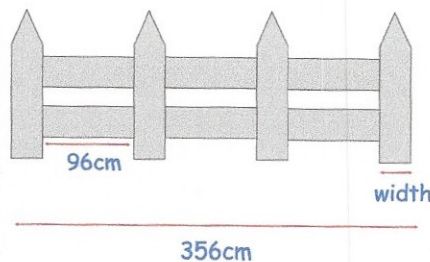
Work out the total cost.

$$\begin{array}{r} 15 \\ \times 13 \\ \hline 45 \\ 150 \\ \hline \end{array} \quad \text{£195}$$

A fence has four posts, equally spaced.
Each space between the posts is 96cm
Work out the width of each post.

$$356 - (3 \times 96) = 68$$

$$68 \div 4 = \underline{\underline{17 \text{ cm}}}$$





16th March

75% of 20

15

$$8,222 - 3,350$$

$$\begin{array}{r} 7822 \\ - 3350 \\ \hline 4872 \end{array}$$

4872

The first two numbers in this sequence are 2.65 and 3.59.

The sequence then follows the rule

"to get the next number, add the two previous numbers"

Work out the next two numbers

2.65 3.59 6.24 9.83

16.07

25.9

Both rectangles have the same area.
Find the length of the blue rectangle.

14 cm

7cm

 28 cm^2

4cm

2

 28 cm^2

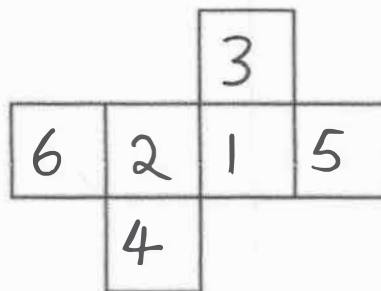
2cm

$$28\text{cm}^2 \div 2\text{cm} = 14\text{cm}$$

The numbers 1,2,3,4,5 and 6 are written on the faces of the cube.

The numbers on the opposite faces add up to 7.

Write the numbers on the net of the cube.





17th March

48×40

$$\begin{array}{r} 48 \\ \times 40 \\ \hline 1920 \\ 3 \end{array}$$

1920

$1,675 \div 100$

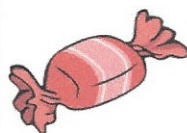
16.75

Jo has 80 sweets.

She gives 75% of the sweets to her friends.

How many sweets does Jo have left?

20

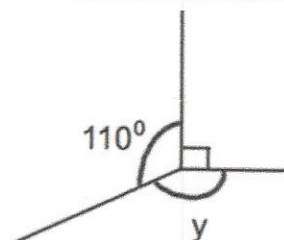


$75\% \text{ of } 80 = 60$

$80 - 60 = 20$

Work out the size of the angle y.

$y = \underline{\underline{160^\circ}}$



$110 + 90 = 200 \quad y = 360 - 200 = 160$

Write the number 125 in Roman numerals

CXXV



Name: Armen

5-a-day

Gold



18th March

$$13^2$$

$$169$$

Simplify $\frac{45}{50} \div 5 = 9$
 $\frac{9}{10} \div 5 = 10$

$$\frac{9}{10}$$

List all the factors of 28

1, 2, 4, 7, 14, 28

50 people attend a wedding.
 7 people had the pork.
 50% of the guests had chicken.

Twice as many guests had beef than
 vegetarian meals

Complete the table

Meal	Frequency
Beef	12
Chicken	25
Pork	7
Vegetarian	6
Total = 50	

What fraction of the guests had pork?

$$\frac{7}{50}$$

What fraction of the guests had beef?

$$\frac{12}{50} \left(= \frac{6}{25} \right)$$

Name: Amey

5-a-day

Gold



19th March

$$10 - 1.11$$

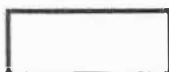
$$\begin{array}{r} 9 9 0 \\ 10 \overline{) 11.11} \\ \underline{8.89} \\ 2.22 \\ \underline{2.22} \\ 0 \end{array}$$

8.89

$$4^3$$

64

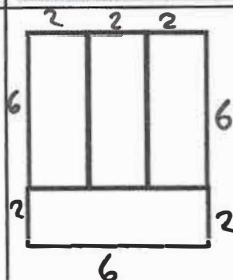
6cm



2cm

Four rectangles identical to the one above are put together to make a large shape.

Work out the perimeter of the larger shape



$$P = 6 + 8 + 6 + 8 = \underline{28} \text{ cm}$$

Write these numbers in order of size
Start with the smallest number.

60% $\frac{1}{2}$ 0.3 $\frac{3}{4}$ 0.4
50% 30% 75% 40%

0.3, 0.4, $\frac{1}{2}$, 60%, $\frac{3}{4}$

Each member of a club is going to receive a badge.

There are 140 members.

The badges are sold in packs of 9.

Work out the least number of packs of badges that need to be bought.

$$140 \div 9 = 15.55 \dots$$

16 packs

Name: Andrews

5-a-day

Gold



20th March

$$8 \times 8 \times 11$$

$$8 \times 8 = 64$$

$$64 \times 10 = 640$$

$$\begin{array}{r} 64 \\ + 64 \\ \hline 128 \end{array}$$

704

$$3,375 \div 25$$

$$\begin{array}{r} 135 \\ 25 \overline{) 3375} \\ \underline{25} \\ 87 \\ \underline{75} \\ 125 \\ \underline{125} \\ 0 \end{array}$$

135

Work out the mean

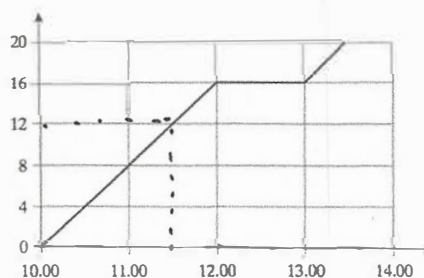
$$8 + 7 + 15 = 30$$

$$30 \div 3 = \underline{\underline{10}}$$

The graph shows the distance (in miles) from home at each time.

How far was Nicky from home at 11:30?

12 miles



What happened between 12:00 and 13:00?

she stopped

Name: Angharad

5-a-day

Gold



21st March

$$1.4 \div 100$$

0.014

$$1.09 + 1.2 + 1.44$$

$$\begin{array}{r} 1.09 \\ 1.2 \\ 1.44 \\ \hline 3.73 \end{array}$$

3.73

The same type of dinner plate is sold in small packs or large packs.

Which is better value for money?

Small pack

Small pack
Contents
3 plates

£5.25



Large pack
Contents
12 plates

£21.24

$$\begin{array}{l} 5.25 \times 4 \\ = \pounds 21 \\ \text{for 12} \end{array}$$

Jacob has measured the three angles in a triangle.

Two of his measurements are 45° and 70°

What is the third measurement?

65°

$$45 + 70 = 115$$

$$180 - 115 = 65$$

Shannon has £400

She gives 10% to her sister.

She gives two fifths to her mum.

How much does she have left?

£200

$$\text{Sister: } 10\% = 40$$

$$\text{mum: } \frac{2}{5} = \frac{160}{200}$$

$$400 - 200 = 200$$

Name: Answer

5-a-day

Gold



22nd March

$$8.5 \div 5$$

$$\begin{array}{r} 1.7 \\ 5 \overline{) 8.5} \end{array}$$

1.7

$$4,225 \times 4$$

$$\begin{array}{r} 4225 \\ \times 4 \\ \hline 16900 \end{array}$$

16900

Barnsley Rovers started a football season on -10 points.

Each win is worth 3 points.
Each draw is worth 1 point.
Each loss is worth 0 points.

Over the season, Barnsley Rovers won 11 matches, drew 6 matches and lost 3.

How many points did they finish with at the end of the season?

29

$$\begin{array}{l} 11 \times 3 = 33 \\ + 6 = 39 \end{array}$$

$$-10 + 39 = 29$$



Find two different **square numbers** that have a total of 100

$$\boxed{36} + \boxed{64} = 100$$

Name: Amir

5-a-day

Gold



23rd March

$$80,008 - 1,020$$

$$\begin{array}{r} 80,008 \\ - 1,020 \\ \hline 78,988 \end{array}$$

78,988

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

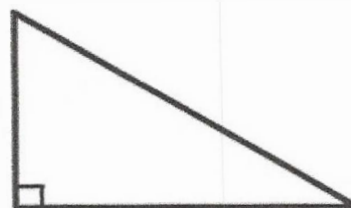
$$\frac{4}{8} + \frac{1}{8} = \frac{5}{8}$$

 $\frac{5}{8}$

Find the area of this triangle

$$6 \times 9 \div 2 = \underline{27 \text{ cm}^2}$$

6cm



9cm

The first four terms in a sequence are

$$\begin{array}{ccccccc} 13 & 9 & 5 & 1 & -3 & -7 & -11 \\ \underbrace{\quad} & \underbrace{\quad} & \underbrace{\quad} & & & & \\ -4 & -4 & -4 & & & & \end{array}$$

What is the seventh term?

$$\underline{\underline{-11}}$$

Sophie buys a caravan for £10,000

She pays a deposit of £3000 and then pays the rest over 20 equal monthly payments.

How much is each monthly payment?

£350

$$10,000 - 3,000 = 7000$$

$$7000 \div 20 = \pounds 350$$

Name: Answer

5-a-day

Gold



24th March

$$\begin{array}{r} 47 \\ \times 37 \\ \hline 329 \\ 1410 \\ \hline 1739 \end{array}$$

1739

$$2\frac{2}{3} = \frac{8}{3}$$

8

Write down 3 different fractions that are equivalent to $\frac{3}{5}$

$$\frac{3}{5} = \frac{6}{10} = \frac{12}{20} = \frac{30}{50}$$

(for example)

Arrange these measurements in order. Start with the smallest.

5.5cm, 75mm

$\frac{1}{4}$ m, 30cm

$$\frac{1}{4} \text{ m} = 25\text{cm}$$

5.5cm

$$75\text{mm} = 7.5\text{cm}$$

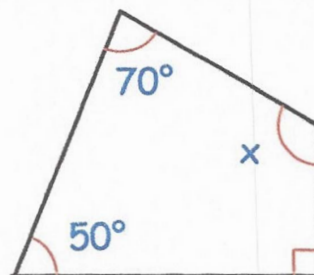
30cm

Find the size of angle x

$$70 + 50 + 90 = 210$$

$$360 - 210$$

$$= 150^\circ$$



Name: Anna

5-a-day

Gold



25th March

$$\frac{4}{7} = \frac{24}{42}$$

$\div 6$ (above 4 and 24)
 $\div 6$ (below 7 and 42)

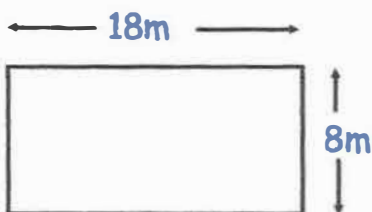
4

$$1.25 \times 1,000$$

1250

Rosie says that 21 is a prime number.

Is Rosie correct?

No, since $21 = 7 \times 3$ Not drawn
to scale

$$18 \times 8 = 144$$

$$144 \div 3 = 48$$

Mrs Jenkins is a chicken farmer.
Her chicken pen is 18m long and 8m wide.
Each chicken needs 3m^2

How many chickens can Mrs Jenkins
keep?

48

Name: _____

Primary 5-a-day

Gold



26th March

75% of 320

$$\begin{aligned} 50\% &= 160 \\ 25\% &= 80 \end{aligned}$$

$$\begin{array}{r} 160 \\ + 80 \\ \hline 240 \end{array}$$

240

 $\frac{5}{12}$ of 3,348

$$12 \overline{) 3348} \begin{array}{l} 0279 \\ 3348 \end{array}$$

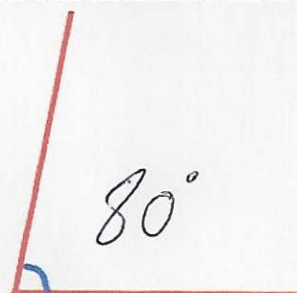
$$\begin{array}{r} 279 \\ \times 5 \\ \hline 1395 \end{array}$$

1395

Round 15.0439 to 2 decimal places

15.04

Measure the size of this angle



Cookstown Rugby Club play 20 matches and win 17 of the matches.

What percentage of the matches did Cookstown win?

$$\frac{17}{20}$$

$$= 85\%$$



Name: _____

Primary 5-a-day

Gold



27th March

8^2

$8 \times 8 = 64$

64

$$\frac{11}{12} - \frac{1}{4}$$

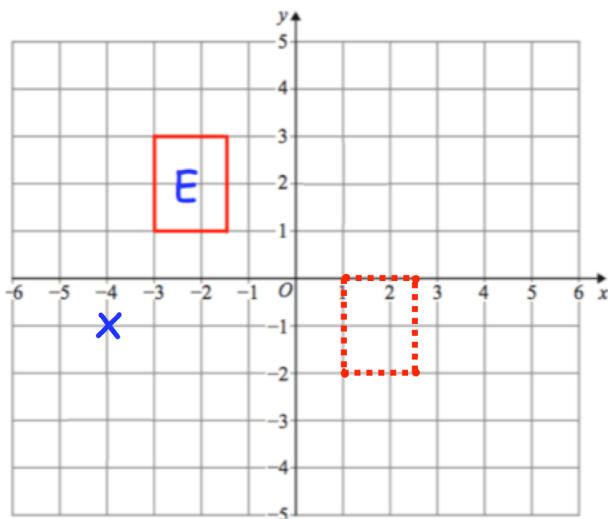
$$\frac{11}{12} - \frac{3}{12} = \frac{8}{12}$$

 $\frac{2}{3}$

How much greater is the population of England than the combined population of Scotland and Wales?

46,605,603

Country	Population
England	55,128,200
Scotland	5,408,923
Wales	3,113,674



The rectangle **E** is translated
4 **right** and 3 **down**

Draw the rectangle in its new position

Plot the point $(-4, -1)$

Name: Answer

5-a-day

Gold



28th March

$$665 \div 7$$

$$\begin{array}{r} 95 \\ 7 \overline{) 665} \\ \underline{63} \\ 35 \\ \underline{35} \\ 0 \end{array}$$

95

$$0.05 \times 10$$

0.5

Megan says "when you square a number, the answer is always bigger."

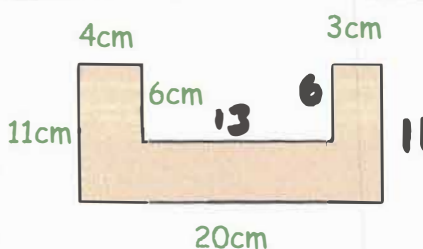
Show she is wrong.

for example

$$1^2 = 1$$

Work out the perimeter of this shape

74cm



Rocco has a pack of cards numbered 1 to 60.

He picks four different cards.

Exactly three of the cards are multiples of 15.

Exactly three of the cards are even.

All four numbers add up to less than 110

Write what the numbers could be

15 30 60 2

could be 4

Name: Answers

5-a-day

Gold



29th March

50% of 270

135

45×29

$$\begin{array}{r} 45 \\ \times 29 \\ \hline 405 \\ 900 \\ \hline 1305 \end{array}$$

1305

Here is a rule for the cost of a taxi

Cost = £5 plus an extra £1.50 for each mile

A journey cost £11

Work out how far the taxi travelled.

$$\begin{aligned} 11 - 5 &= \pounds 6 \\ 6 \div 1.50 &= \underline{4 \text{ miles}} \end{aligned}$$

James sells 6 cakes for £5
Maddie sells 4 cakes for £3.50

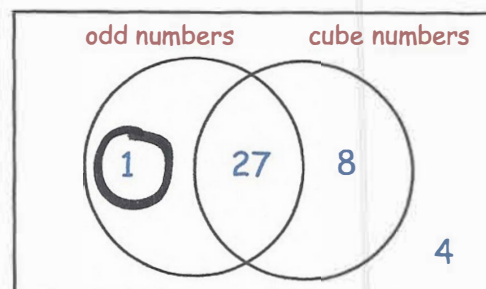
Which is better value?

James



$$\begin{aligned} \pounds 5 \div 6 &= 83p \\ \pounds 3.50 \div 4 &= 87p \end{aligned}$$

Circle the number that is in the wrong position



Name: Answers

5-a-day

Gold



30th March

$$5.8 + 2.305 + 1.096$$

$$\begin{array}{r} 5.8 \\ 2.305 \\ 1.096 \\ \hline 9.201 \end{array}$$

9.201

$$\frac{7}{10} - \frac{1}{5}$$

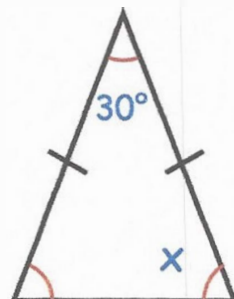
$$\frac{7}{10} - \frac{2}{10} = \frac{5}{10}$$

$\frac{1}{2}$

Find x

$$180 - 30 = 150^\circ$$

$$150 \div 2 = \underline{75}$$



A bucket weighs 900g

When half filled with water the bucket weighs 2.5kg

Work out how a bucket filled with water will weigh.

Half the water weighs

$$2500 - 900 = 1600\text{g}$$

$$\therefore \text{total water} = 3200\text{g}$$

$$3200 + 900 = 4100\text{g}$$

or 4.1kg

James says that $\frac{2}{3} = 66\%$

Explain why James is incorrect.

$$\frac{2}{3} = 66.6666 \dots \%$$

or

$$66.\dot{6} \%$$

Name: Answers

5-a-day

Gold



31st March

$$\begin{array}{r} 78943 \\ + 16978 \\ \hline 95921 \\ \text{.} \end{array}$$

95921

$$\begin{array}{r} 1124 \\ 8 \overline{) 8992} \\ \underline{8} \\ 9 \\ \underline{8} \\ 12 \end{array}$$

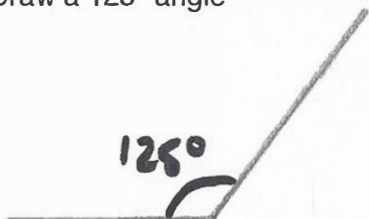
1124

Write the number 900 in Roman numerals

CM



Draw a 125° angle



Ellie says that all the factors of 16 are even

Why is Ellie wrong?

1 is a factor of 16
and is odd