

Name: Andrew

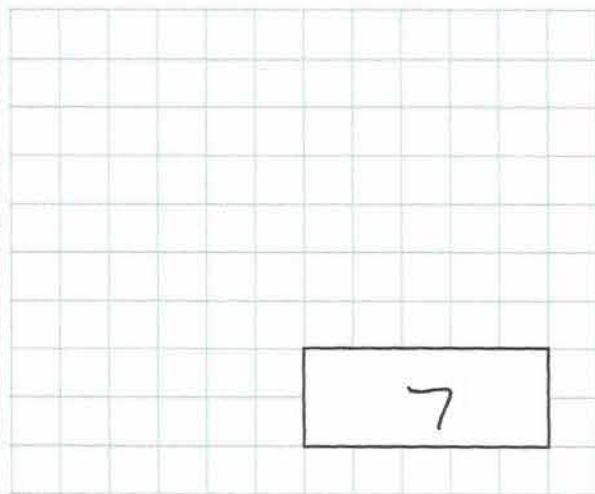
5-a-day

Gold

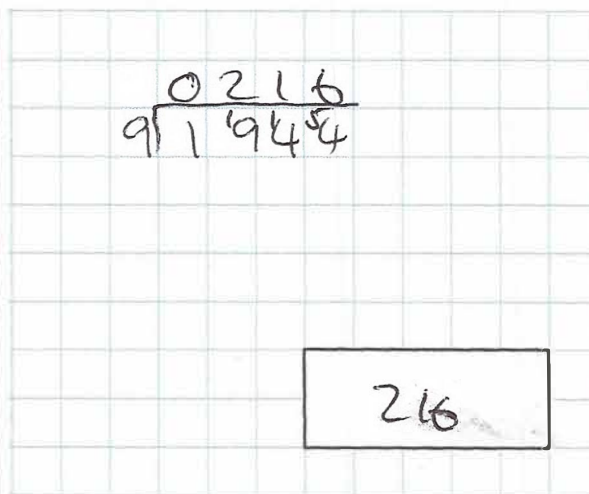


1st April

$$\square^2 = 49$$



$$1,944 \div 9$$



The lengths of time that it takes to complete a jigsaw are below.

0.5 hours 1.25 hours 100 minutes

0.75 hours 40 minutes

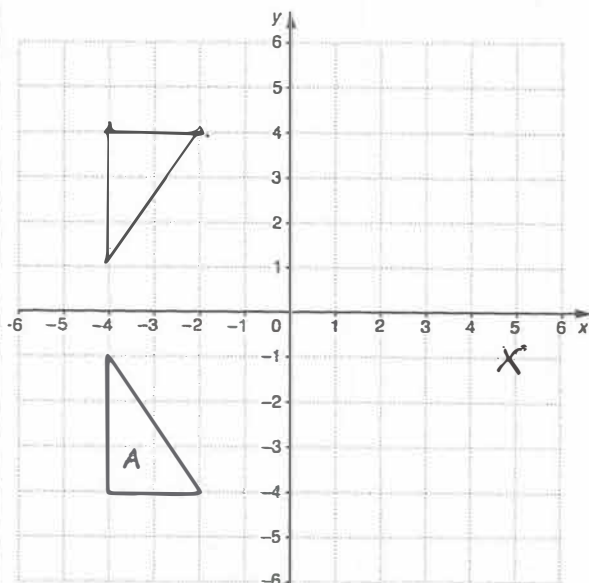
Arrange the times in order, starting with the shortest.

0.5 hours
40 minutes

0.75 hours
1.25 hours
100 minutes

Reflect triangle A in the x-axis

Plot the point (5, -1)





2nd April

Simplify $\frac{12}{16}$

$$\frac{12}{16} \div 4 \div 4 = \frac{3}{4}$$

$$\frac{3}{4}$$

720×9

$$\begin{array}{r} 720 \\ \times 9 \\ \hline 6480 \end{array}$$

6480

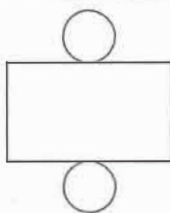
James earns £12 per hour.
He works 19 hours in one week.
He gives 10% of his earning to his sister.

How much does he give to his sister?

$$\begin{array}{r} 12 \\ \times 19 \\ \hline 228 \end{array}$$

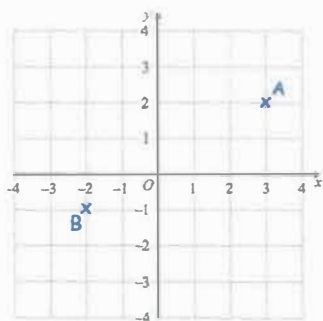
$$10 \overline{) 228.0} = 22.8$$

£22.80



This is the net for a 3D shape.

Sketch the 3D shape.



Write down the coordinates of A.

(3, 2)

Write down the coordinates of B

(-2, -1)

Name: Angus

5-a-day

Gold



3rd April

$$50.4 - 11.58$$

$$\begin{array}{r} 45.9 \\ 11.58 \\ \hline 38.82 \end{array}$$

38.82

$$\begin{array}{r} 84 \\ \times 26 \\ \hline 504 \\ 1680 \\ \hline 2184 \end{array}$$

2184

From this list of numbers

8 9 10 11 12 13 14

Write down a prime number

11 or 13

Write down a cube number

8

Dodgems
£1.25
each ride

Rollercoaster
£3.50
each ride

Ciaran spends £12 altogether on the Dodgems and the Rollercoaster. He goes on the Rollercoaster twice

How many times does he go on the Dodgems?

$$\begin{aligned} 3.50 \times 2 &= 7 \\ 12 - 7 &= 5 \\ 5 \div 1.25 &= \underline{\underline{4}} \end{aligned}$$

Here are six number cards

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

Use three of the number cards to make this calculation correct.

$$\left(2\frac{1}{2} + 3\frac{1}{2}\right) \times 1\frac{1}{2} = 9$$

Name: Anwen

5-a-day

Gold



4th April

$$-20 + 14$$

-6

$$600 \div 20$$

30

A cupcake with a cherry costs 10p more than a cupcake without a cherry. Amber bought three of each cake. They cost £1.80 altogether.

What is the cost of a cupcake without a cherry?



10p each
 $1.80 \div 3 = 60$

$\therefore$ cakes are 25p and 35p
25p without

Harry makes a sequence of numbers starting with 400.

He subtracts 175 each time

Write the next two numbers

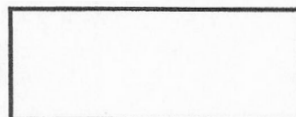
400 225 50 -175 -300

The perimeter of this rectangle is 60cm

Calculate the length of the rectangle

22cm

8cm



8cm

$60 \div 2 = 30$
 $30 - 8 = \underline{22cm}$

Name:

5-a-day

Gold



5th April

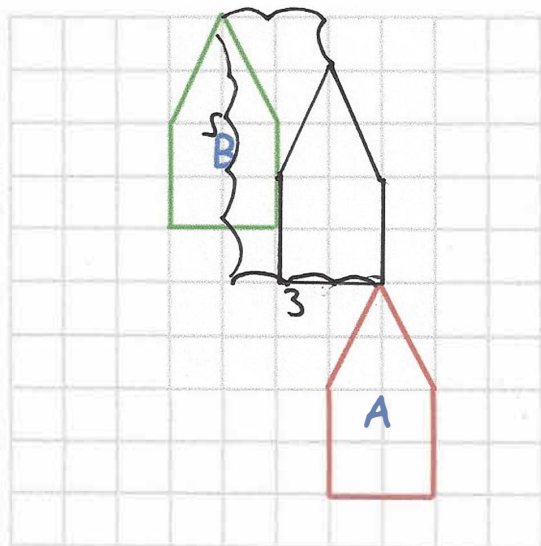
79×50

3950

$$405.1 \div 10$$

40.51

Triangle A has been translated to Triangle B



Complete this sentence

Triangle A has been translated

3 squares to the left and

S squares upwards

Translate triangle B 2 squares right and 1 squares down

Circle two decimals that have a difference of 0.5

0.3 0.35 0.4 0.45 0.7 0.85

Answers

Gold


$$0.58 \times 1,000$$

580

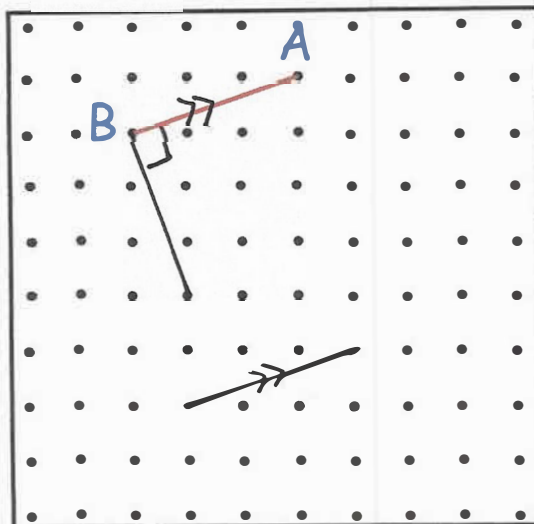
5
— of 1,422
6

$$\begin{array}{r} 237 \\ 6 \overline{) 1422} \end{array}$$

$$\begin{array}{r} 237 \\ \times \quad 5 \\ \hline 1185 \end{array}$$

1185

Draw a line to join point B to another dot on the grid so that the two lines make a right angle



Draw a line parallel to AB

Write **all** the numbers between 40 and 200 that are **factors of 300**

50, 60, 75, 100, 150

Name: Answer

5-a-day

Gold



7th April

25% of 312

$$\begin{array}{r} 78 \\ 4 \overline{) 312} \end{array}$$

78

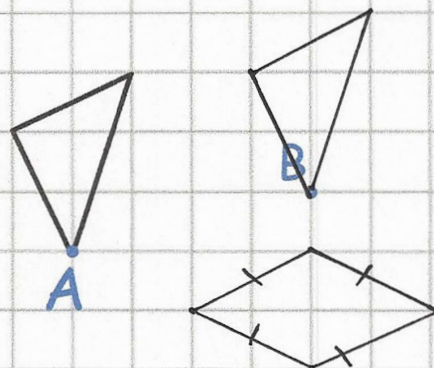
3^3

27

Here is a triangle on a square grid.

The triangle is translated so that point A moves to point B.

Draw the triangle in the new position.



Draw a rhombus on the grid



Two of the fractions are **equivalent**

Circle them

$$\frac{2}{3} \quad \left(\frac{12}{15} \right) \quad \frac{9}{12} \quad \left(\frac{16}{20} \right) \quad \frac{6}{10}$$

$$\left(\frac{4}{5} \right) \quad \left(\frac{3}{4} \right) \quad \left(\frac{4}{5} \right) \quad \left(\frac{3}{5} \right)$$

Name: _____

5-a-day

Gold



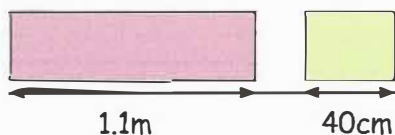
8th April

10% of 700

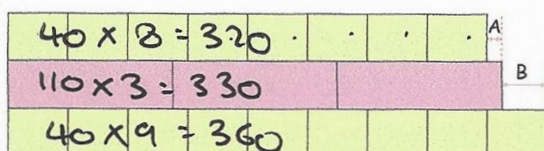
$$\frac{9}{10} - \frac{2}{5}$$

$$\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$$

70

 $\frac{1}{2}$ 

Toby makes a pattern with the rectangles above



Calculate the length of A

$$A = 330 - 320 = \underline{10\text{cm}}$$

Calculate the length of B

$$360 - 330 = \underline{30\text{cm}}$$

Chloe has completed her homework.

What has Chloe done wrong?

- a) $16 \div 4 = 4$, so she should do $3 \times 4 = \underline{12}$
- b) $15 \div 5 = 3$ so she should do $6 \div 3 = \underline{2}$

(a) $\frac{3}{4} = \frac{\boxed{4}}{16}$

(b) $\frac{\boxed{3}}{5} = \frac{6}{15}$

Name: Answer

5-a-day

Gold



9th April

$$9 \times 8 \times 7 \times 5$$

$$9 \times 8 = 72 \quad 7 \times 5 = 35$$

$$\begin{array}{r} 72 \\ \times 35 \\ \hline 360 \\ 2160 \\ \hline 2520 \end{array}$$

2520

$$5\frac{1}{2} = \frac{11}{2}$$

$$2 \times 5 + 1 = 11$$

11

Craig has three blocks.

Blocks A and B together weight the same as block C.

The three blocks weigh 1.3kg altogether.

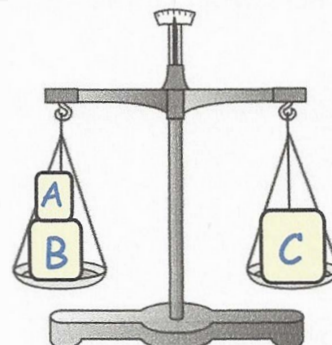
Block A weighs 50g less than block B.

How much does block B weigh?

$$A + B = 1.3 \div 2 = 0.65 \\ = 650g$$

$$\therefore A = 300g$$

$$B = \underline{\underline{350g}}$$



Ava says that all the factors of 21 are **odd**

Is Ava correct?

yes (1, 3, 7, 21)

Name: Answer

5-a-day

Gold



10th April

$$\begin{array}{r} \times 5 \\ 3 \\ \hline 7 \end{array} = \begin{array}{r} 15 \\ \hline 35 \end{array}$$

15

$$38,000 - 2,779$$

35,221

In a town in Cornwall, it rained for 18 days during April.

What fraction of the month did it rain?

$$\frac{18}{30} \left(= \frac{3}{5} \right)$$

Tick each multiplication that has an answer **greater** than 1000.

$$9 \times 10 \times 11$$

$$9 \times 9 \times 13 \quad \checkmark$$

$$14 \times 6 \times 11$$

$$19 \times 18 \times 3 \quad \checkmark$$

$$5 \times 5 \times 39$$

Name: Answers

5-a-day

Gold



11th April

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

$$\frac{3}{12} + \frac{5}{12} + \frac{3}{12} = \frac{11}{12}$$

$$\frac{11}{12}$$

$$500 - 530$$

$$-30$$

Noah chooses a **prime number**

He rounds it to the nearest ten.

His answer is 20.

Write down all the possible prime numbers Noah could have chosen.

17, 19, 23



Find the size of angle x

$$90 + 55 = 145$$

$$180 - 145$$

$$= \underline{35^\circ}$$

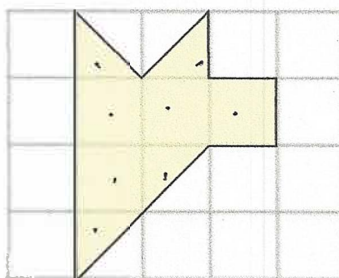
Here is a grid of 20 squares.

What percentage of the grid is shaded?

$$\text{total} = 20 \text{ squares}$$

$$\text{shaded} = 6$$

$$\frac{6}{20} = \frac{3}{10} = \underline{30\%}$$



Name: Answer

5-a-day

Gold



12th April

$$47 \times 24$$

$$\begin{array}{r} 47 \\ \times 24 \\ \hline 188 \\ 940 \\ \hline 1128 \end{array}$$

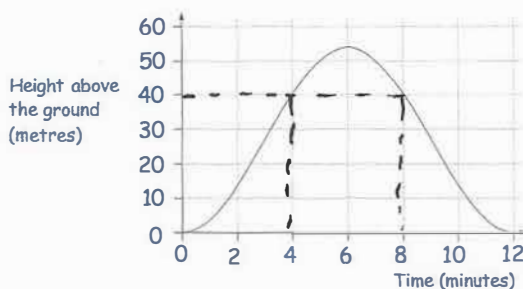
1128

$$\frac{16}{5} = 3\frac{1}{5}$$

1

Jessica goes on a big wheel at a funfair.

The graph shows her height above the ground as the wheel turns



How long did it take for the big wheel to make one complete turn?

12 minutes

How long was Jessica over 40m above the ground?

4 minutes

Jodie has a bag of 3 red and 5 green marbles.

Jodie adds two red and two green marbles to the bag.

What fraction of the marbles in the bag are now green?

5 red 7 green

$$\frac{7}{12}$$

Name: Answers

5-a-day

Gold



13th April

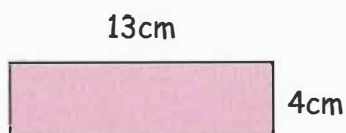
$$4^2 = 16$$

4

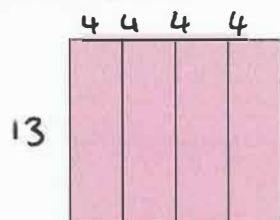
$$70,004 - 608$$

69,396

Lauren has some identical rectangles
They are 13cm long and 4cm wide.



She uses four rectangles to make the larger rectangle below



What is the perimeter of the large rectangle?

$$13 + 12 + 13 + 12 = \underline{25 \text{ cm}}$$

What is the area of the large rectangle?

$$13 \times 12 = \underline{156 \text{ cm}^2}$$

Kate has £2.80
James has £4.50

James gives Kate some money so that they now have the same amount of money.

How much does James give Kate?

$$\cancel{4.50} - \cancel{2.80} = \pounds 1.70$$

$$\pounds 1.7 \div 2 = \underline{\underline{85p}}$$

Name: Ames

5-a-day

Gold



14th April

$$1.9 \times 1,000$$

1900

$$0.7 \times 8$$

5.6

Write these numbers in order of size, starting with the smallest.

0.85 0.508 0.8 0.588 0.6

0.508
0.588
0.6
0.8
0.85

Dara scores 30 out of 40 in a test.
Hannah scores 60% in the same test.

Who has the higher score?

$$\frac{30}{40} = 75\%$$



Dara scored more

Write each label in the correct position on the sorting diagram

Not square

Multiple of 7

Square

Not a multiple of 7

	not multiple of 7	multiple of 7
square	16 81	49
not square	13	35 70

Name: _____

5-a-day

Gold



15th April

10% of 34

3.4

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

 $\frac{2}{5}$ or 0.4

The cost of hiring a minibus is £3 for each mile.

8 friends go on a 124 mile journey.

They share the cost equally

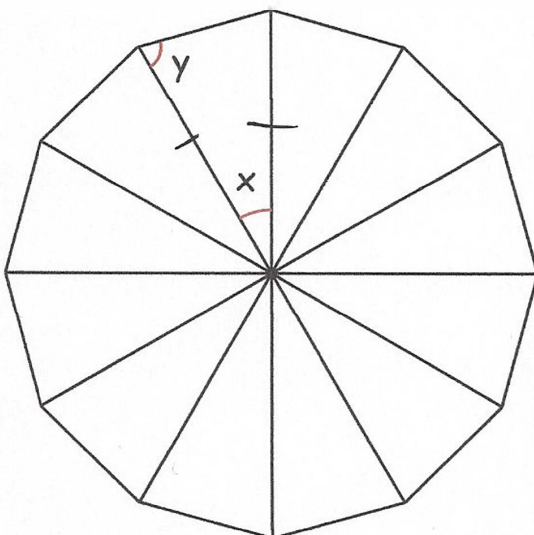
How much does each person pay?

$$124 \times 3 = 372$$

$$372 \div 8 = \underline{\pounds 46.50}$$



Shown are 12 identical triangles



Find the size of angle x

$$360 \div 12 = \underline{30^\circ}$$

Find the size of angle y

$$\frac{180 - 30}{2} = 75^\circ$$

Name: Arman

5-a-day

Gold



16th April

Simplify $\frac{6}{30} \div 6$

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

 $4.56 + 1.9 + 10.88$

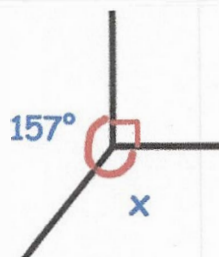
$$\begin{array}{r} 4.56 \\ 1.9 \\ 10.88 \\ \hline 17.34 \end{array}$$

$$17.34$$

Find the size of angle x

$$157 + 90 = 247$$

$$360 - 247 = \underline{\underline{113^\circ}}$$



Norman chooses two numbers.

He multiplies the two numbers and divides the result by 2.

His answer is 306.

One of Norman's numbers is 9.

What is Norman's other number?

$$306 \times 2 = 612$$

$$612 \div 9 = 68$$

Work out the mean

14 12 18 19 17

$$\text{Total} = 80$$

$$80 \div 5 = \underline{\underline{16}}$$

Name: Amey

5-a-day

Gold



17th April

$$0.1 = \frac{1}{10}$$

$$77 \times 91$$

$$\begin{array}{r} 91 \\ \times 77 \\ \hline 637 \\ 6370 \\ \hline 7007 \end{array}$$

$$\frac{1}{10}$$

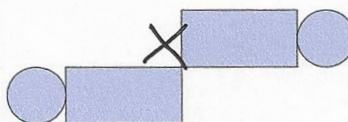
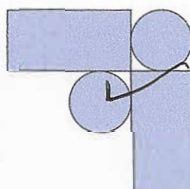
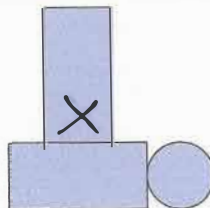
$$7007$$

Seb has some rectangular and circular tiles



He makes these patterns with them

For each pattern, put a tick if it has a line of symmetry or a cross if it does not.



Daisy chooses a **cube number**

She rounds it to the nearest hundred.

Her answer is 100.

Write down all the possible ~~prime~~ ^{cube} numbers Daisy could have chosen.

64, 125

Name: _____

5-a-day

Gold



18th April

$$0.6 \div 10$$

$$\frac{2}{5} + \frac{3}{10}$$

0.06

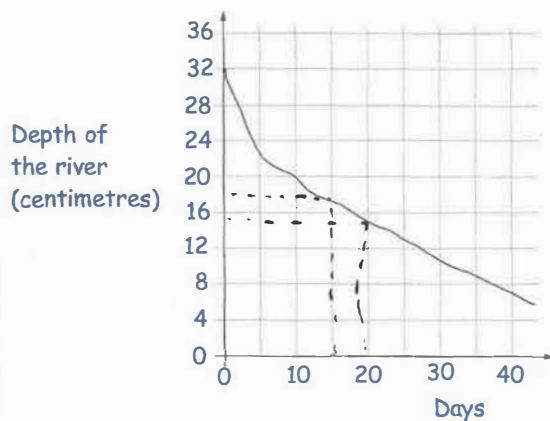
$$\frac{4}{10} + \frac{3}{10} =$$

$\frac{7}{10}$

Write the number that is four less than one million in figures

999,996

This graph shows the depth of a river during the summer



What is the depth of the river after 15 days?

18cm

How long does it take the river to go from a depth of 32cm to 15cm?

32 after 0 days
15 after 20 days

Name: Answers

5-a-day

Gold



19th April

$$3\frac{2}{3} = \frac{11}{3}$$

$$3 \times 3 + 2 = 11$$

11

20% of 60

$$\begin{array}{l} 10\% - 6 \\ 20\% - 12 \end{array}$$

12



Find the size of angle x

$$57 + 90 = 147$$

$$\begin{array}{r} 180 - 147 \\ \hline = 33^\circ \end{array}$$

Charlie makes 100 chocolate apples to sell at a fair to raise money for charity.

Each chocolate apple needs:

1 apple

1 stick

100g of chocolate.

He pays the following prices



10 apples
cost £2.50



25 sticks
cost 50p



1kg chocolate
costs £4.75

Charlie sells each chocolate apple for £1.

How much money is left to go to charity?

$$\begin{array}{l} 10 \times 2.50 = \pounds 25 \text{ for 100 apples} \\ 4 \times 0.50 = \pounds 2 \text{ for 100 sticks} \\ 10 \times 4.75 = \pounds 47.50 \text{ for 10kg choc.} \\ \hline \pounds 74.50 \end{array}$$

$$100 - 74.50 = \pounds 25.50$$

Name: Answer

5-a-day

Gold



20th April

$$-24 + 31$$

7

$$\begin{array}{r} 798 \\ 9 \overline{) 71872} \end{array}$$

798

Write the number 700 in Roman numerals

DCC



Phoebe has some rectangles.
They each measure 32cm by 9cm.

9cm



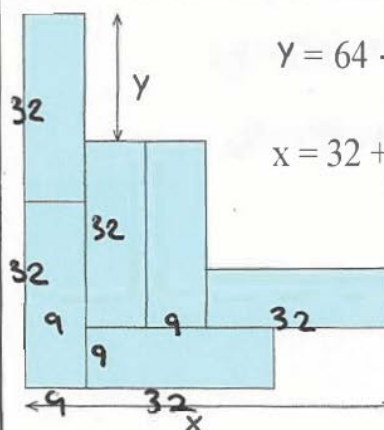
32cm

She makes this design with six of the rectangles.

Work out the lengths x and y

$$y = 23\text{cm}$$

$$x = 59\text{cm}$$



$$y = 64 - 32 - 9 = 23\text{cm}$$

$$x = 32 + 9 + 9 + 9 = 59\text{cm}$$

Name: Answers

5-a-day

Gold



21st April

$$25\% = \frac{1}{4}$$

(could be $\frac{25}{100}$, $\frac{5}{20}$ etc)

$$\frac{1}{4}$$

$$58,078 + 90,991$$

$$\begin{array}{r} 58078 \\ + 90991 \\ \hline 149069 \end{array}$$

$$149,069$$

A badge costs £1.60

Mr Davies buys 13 badges.

How much does it cost him?

$$£20.80$$

$$\begin{array}{r} 1.60 \\ \times 13 \\ \hline 4.80 \\ 16.00 \\ \hline 20.80 \end{array}$$

Miss Harding buys some of the same badges.

It costs her £48 in total.

How many did she buy?

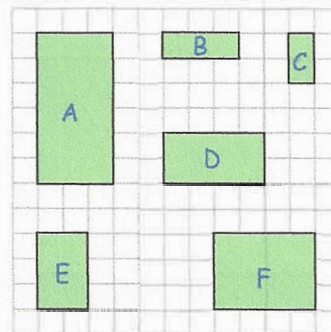
$$30$$

$$£48 \div 16 = 3$$

$$\text{so } £48 \div 1.60 = 30$$

Which two rectangles fit together to make a square?

B and E



Name: _____

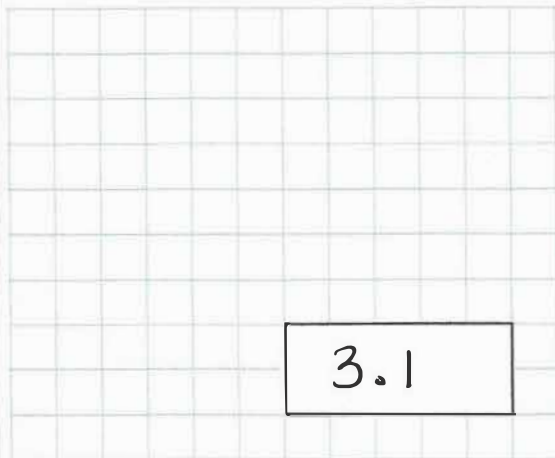
5-a-day

Gold



22nd April

$$3,100 \div 1,000$$

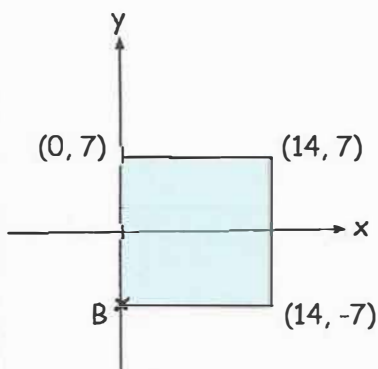


3.1

$$\begin{array}{r} 135 \\ \times 28 \\ \hline 1080 \\ 2700 \\ \hline 3780 \end{array}$$

3780

Here is a shaded square



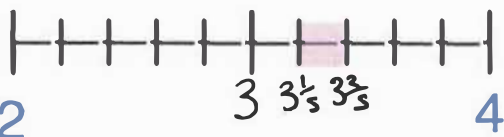
Write down the coordinates of the point B

(0, -7)

Circle any of the points that are outside the square

(1, 8) (8, 1) (-1, 2)

(2, -1)



Circle all the numbers below that belong in the shaded part of the number line.

 $3\frac{1}{2}$ $3\frac{3}{10}$ $3\frac{1}{4}$ $3\frac{1}{3}$ $3\frac{3}{5}$

Name: Answer

5-a-day

Gold



23rd April

$$12^2$$

144

75% of 60

$$60 \div 4 = 15$$

$$15 \times 3 = 45$$

45

The rule to get each number in a sequence is

subtract the previous number from 120, then divide by 2

Write the two missing numbers

20 50 35 42.5 38.75

Conor has three discs.
Each disc has a 7 on one side and a 9 on the other.

He flips all discs and adds together the three scores.

How many different totals can he get using the three discs?



$$9 + 7 + 7 = 23$$

$$9 + 9 + 7 = 25$$

$$9 + 9 + 9 = 27$$

$$7 + 7 + 7 = 21$$

(all other combinations give similar totals)

Name: Answers

5-a-day

Gold



24th April

$$26 \times 17 = 3,000 - \boxed{}$$

$$26 \times 17 = 442$$

2558

$$\text{Simplify } \frac{300}{1000}$$

$\frac{3}{10}$

There are 1,200 fans at a rugby match between Malone and Ballyclare.

75% of the fans support Ballyclare.

How many fans support Malone?

25% support Malone



$$1200 \div 4 = \underline{300}$$

Write down three factors of 60 that are also factors of 45

1

3

5

(or 15)

Two 2-digit numbers multiply to make 198

Write the two missing numbers

$$\boxed{11} \times \boxed{18} = 198$$

Name: Andrew

5-a-day

Gold



25th April

$$2^3 = 8$$

$$\frac{1}{15} + \frac{4}{5}$$

$$\frac{1}{15} + \frac{12}{15} =$$

2

$\frac{13}{15}$

Find the size of angle y

$$90 + 38 = 128$$

$$180 - 128 = \underline{52^\circ}$$

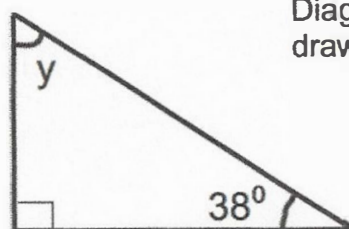


Diagram not drawn accurately

Arrange in order, from smallest to largest

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

$\frac{1}{4}$ 0.19 0.3 26% $\frac{1}{5}$
25% 19% 30% 20%

The cost of hiring a school hall is found by

£25 x number of hours

Dylan hired the school hall and the total cost was £275

How long did he hire the school hall for?

$$275 \div 25 = 11$$

11 hours

Name: Answer

5-a-day

Gold



26th April

$$560 \times 1,000$$

560,000

$$9.1 - 4.27$$

$$\begin{array}{r} 9.10 \\ - 4.27 \\ \hline 4.83 \end{array}$$

4.83

Put the four masses below in order, starting with the heaviest.

650 kilograms

0.7 tonnes = 700 kg

0.1 kilograms

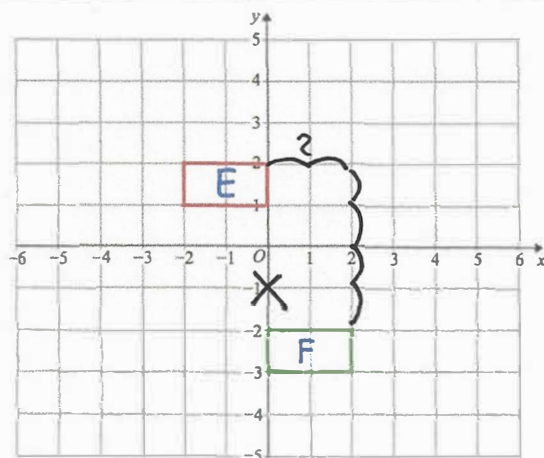
99 grams = 0.099 kg

0.7 tonnes

650 kilograms

0.1 kilograms

99 grams



Shape E has been translated to shape F

Describe the translation

Translated 2 right
4 down

or $\begin{pmatrix} 2 \\ -4 \end{pmatrix}$

Plot the point (0, -1)

Name: Answers

5-a-day

Gold



27th April

$$\begin{array}{r} 3 \overline{) 5} = \frac{\square}{45} \\ \times 9 \end{array}$$

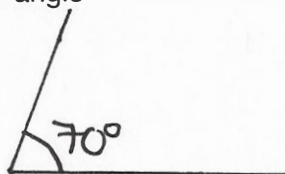
27

$$8019 \div 9$$

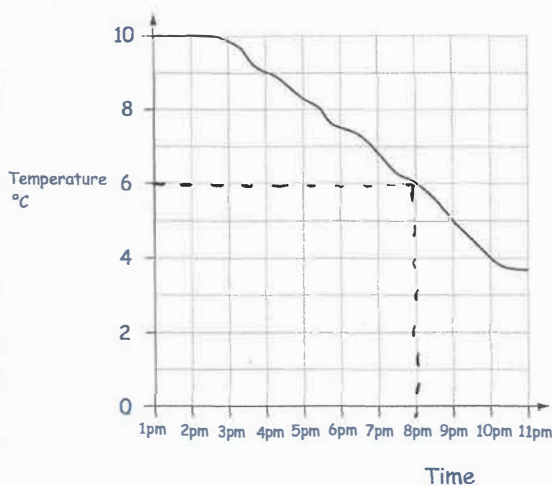
$$\begin{array}{r} 891 \\ 9 \overline{) 8019} \end{array}$$

891

Draw a 70° angle



This graph shows the temperature in a town from 1pm until 11pm



At what time was the temperature 6°C

8pm

By how many degrees Celsius did the temperature fall between 4pm and 8pm?

$$4\text{pm} - 9^\circ\text{C}$$

$$8\text{pm} - 6^\circ\text{C}$$

$$9 - 6 = \underline{3^\circ\text{C}}$$

Name: Answer

5-a-day

Gold



28th April

$$4\frac{1}{6} = \frac{\square}{6}$$

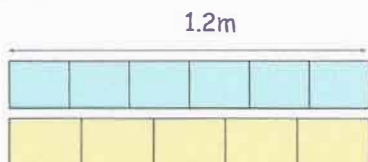
$$6 \times 4 + 1 = 25$$

25

$$\begin{array}{r} 81 \\ \times 67 \\ \hline 567 \\ 4860 \\ \hline 5427 \end{array}$$

5427

Sian has two strips of paper.
Each strip is 1.2 metres long.
One strip is divided into six equal parts
and the other is divided into five equal parts.



Sian uses the two strips to make this shape



What is the total length of Sian's shape?

$$1.2 \div 6 = 0.2$$

$$1.2 \div 5 = 0.24$$

total length

$$= 0.2 \times 5 + 0.24$$

$$= \underline{1.24m}$$

The numbers in this sequence increase by 8 each time

1 9 17 25 33

The sequence continues in the same way

Will 800 be in the sequence?

No

(these numbers are all
1 more than multiples of 8)

Name:

$$0.12 \times 1,000$$

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

120

 $4\frac{1}{2}$

How much is the tip?

£2.50



1 6 2 7

2 1 . 6 7

CCLXIV

264

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Name: Answer

5-a-day

Gold



30th April

$\frac{7}{20}$ of 1,960

$$1960 \div 20 = 98$$

$$98 \times 7 =$$

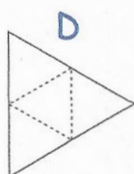
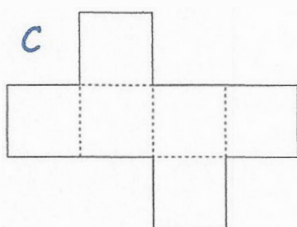
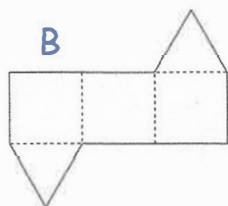
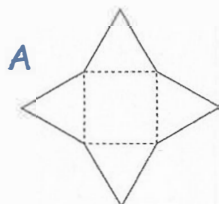
686

406×17

$$\begin{array}{r} 406 \\ \times 17 \\ \hline 2842 \\ 4060 \\ \hline 6902 \end{array}$$

6902

Here are some nets



Which letter is the net of a cuboid?

C

Which letter is the net of a triangular prism?

B

Work out the mean amount of money raised

$$35 + 20 + 50 = 105$$

$$105 \div 3 = \pounds 35$$

