

PROCEDURAL

8EP16

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ 2016

Total score (maximum 36)



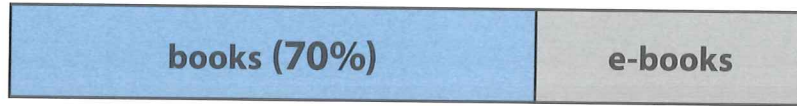
139107



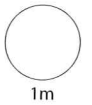
Llywodraeth Cymru
Welsh Government

- 1 Here are the results of a survey.

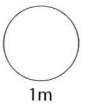
Do you prefer books or e-books?



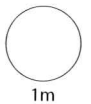
What percentage of people prefer e-books?

 %

- 2 Add 1.25 to 6.6

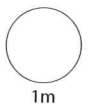


Subtract 1.25 from 6.6



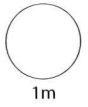
- 3

$$700 \div (3 + 4) =$$



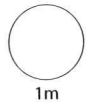
4 Find 75% of £20

£



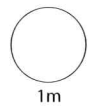
5 A train leaves Llandoverly at 20:34 and arrives in Swansea at 22:04
How many **minutes** long is the journey?

minutes




6 6.5 metres = centimetres

centimetres



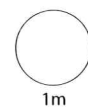
7



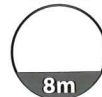
Pens, £3.49 each

Work out the greatest number of these pens you can buy with £15

pens

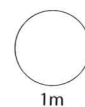


TOTAL



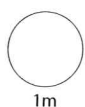
8

$$0.6 \times 8 =$$



9

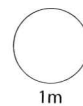
Work out $\frac{5}{8}$ of £160



10

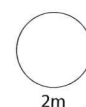
The area of a square is 36cm^2

What is its perimeter?



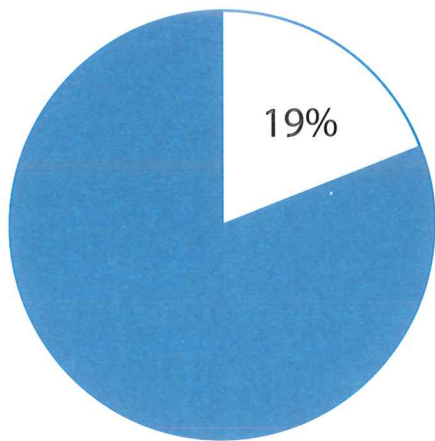
11

Multiply 143 by 29



12

People in Wales who can speak Welsh (2013 survey)



Key



Can speak Welsh



Cannot speak Welsh

In 2013, about what proportion of people in Wales could speak Welsh?

Circle the best answer below.

$\frac{1}{4}$

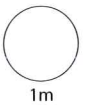
$\frac{1}{5}$

$\frac{1}{6}$

$\frac{1}{7}$

$\frac{1}{8}$

$\frac{1}{9}$




13

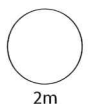
These potatoes cost £1.59 for 750g.



What is the cost of 1kg of these potatoes?



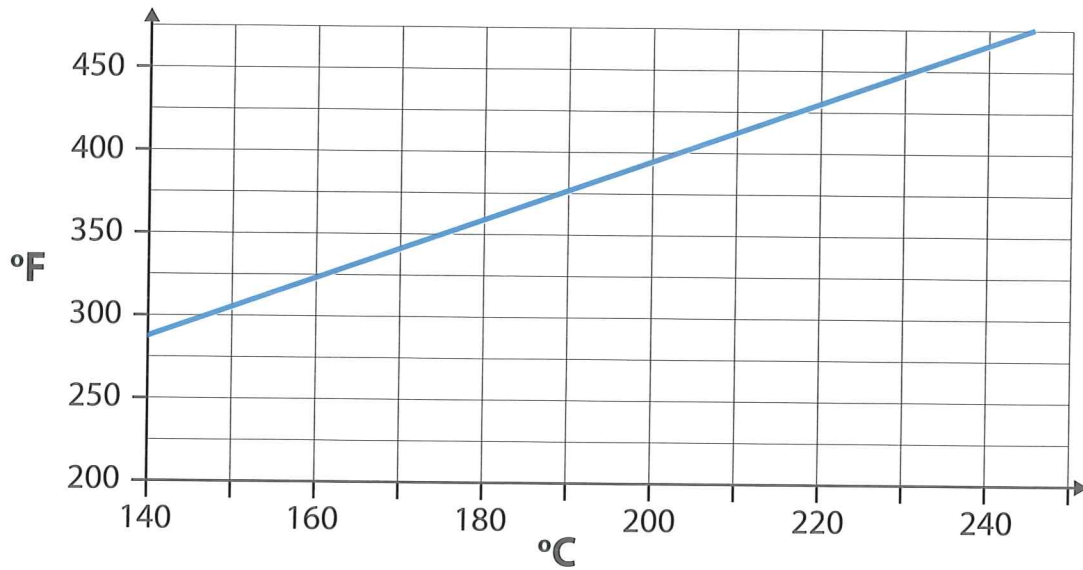
£



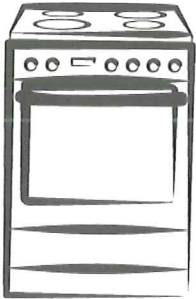
TOTAL



Converting between °C and °F



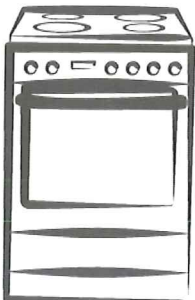
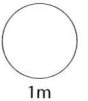
Use the graph to find the missing temperatures below.



Pie: cook for 30 minutes at 180°C to 190°C.

Write the missing temperatures, **to the nearest 25°F**.

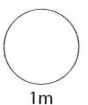
Cook for 30 minutes at _____°F to _____°F.



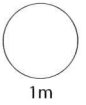
Pizza: cook for 15 minutes at 425°F to 450°F.

Write the missing temperatures, **to the nearest 10°C**.

Cook for 15 minutes at _____°C to _____°C.

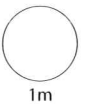
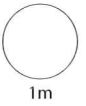


15 What number is 3 cubed?



16 Complete both boxes on this electricity bill.

<input type="text"/>	units at 15.6p per unit : total £156.00
VAT at 5% of the total = <input type="text"/> £	



17 Circle the numbers that round to 8000 to 1 significant figure.

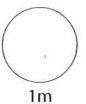
8921

8379

7608

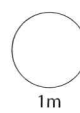
7500

7499



18

$$1\text{m}^2 = \boxed{} \text{cm}^2$$




19

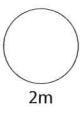
Ali is 76cm tall.

His father is 1m 90cm tall.

Write the ratio of their heights in the form 2 : ____



Ali's height : his father's height is 2 :



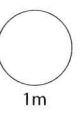
20

Amy does a time calculation. Her calculator shows the answer in minutes.



How long is this, in minutes and seconds?

4 minutes and seconds

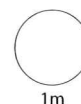


21 A gardener charges £15 per hour.

She reduces her price by 20% for some customers.

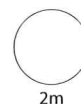
What is her reduced price?

£	per hour
---	----------



22 Work out $\frac{1}{5} + \frac{1}{4} + \frac{3}{10}$

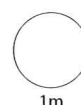
Write your answer as a fraction in its simplest form.

A large rectangular box for writing. In the top-left corner, there is an illustration of a notepad with a pencil. In the bottom-right corner, there is a smaller empty square box.

23 5 miles is about 8 kilometres.

To the nearest half mile, how many miles is 20 kilometres?

miles



24 A company makes a new soft drink.

They plan a large survey to find out if people like it.

Tick the question below that best avoids bias (is fairest).

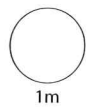


Is this the best drink you have tasted today?

On a scale of 1 (poor) to 5 (very good), how do you rate our new drink?

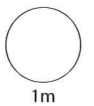
Which word describes our new drink? Excellent/very good/good

Everyone we have asked so far likes our new drink. Do you?



25 40% of a number is 24

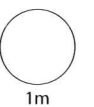
What is 25% of the number?



26 These three numbers have a mean of 5 and a range of 0

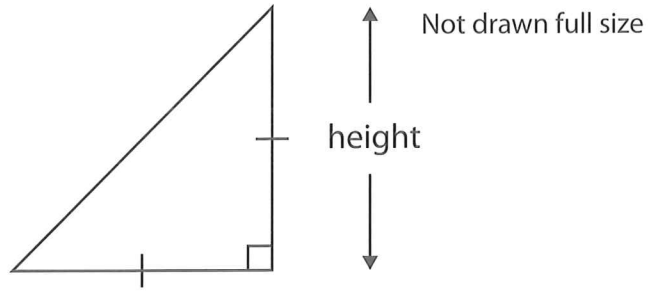


Write three numbers that have a mean of 5 and a range of 4

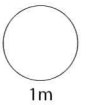


27 This triangle is **isosceles**.

Its area is 50cm^2



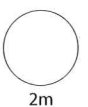
What is the height of the triangle?



28 $w = \sqrt{12^2 + 4^2 + 3^2}$

Work out the value of w

A large blue rectangular box for working out the value of w . In the top-left corner, there is an icon of a notepad and a pencil. In the bottom-right corner, there is a smaller blue box containing the text $w =$.



© Crown copyright 2016