

PROCEDURAL

9EP14

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2014

Total score (maximum 36)



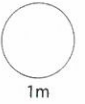
117564



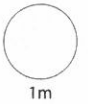
Llywodraeth Cymru
Welsh Government

1 Write the missing number.

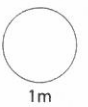
| British pounds | | Jamaican dollars |
|----------------|---|----------------------|
| £1 | = | 152 |
| £3 | = | <input type="text"/> |



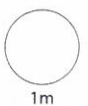
2 On a scale drawing, 2 centimetres represent 1 metre.
What is the scale?



3 Write 0.75 as a fraction.



Write $\frac{4}{5}$ as a decimal.



4

$$1000 \div (12 + 8) =$$

1m

5

Write two values greater than zero that add to 0.1

+

$$= 0.1$$

1m

6

Rohan has £14 in **twenty-pence** coins.

How many twenty-pence coins does Rohan have?

 coins

1m

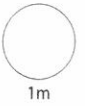
7

$$10^3 =$$

1m

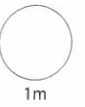
8 What percentage of 300 is 60?

%

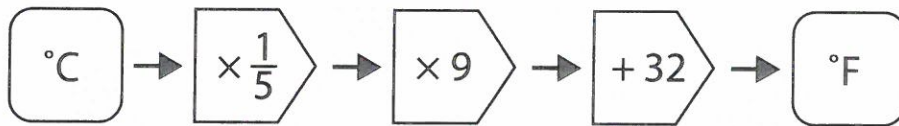


9

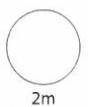
$20 \times 0.07 =$



10 This formula changes °C to °F.

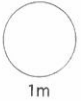


Complete the formula to change °F to °C.



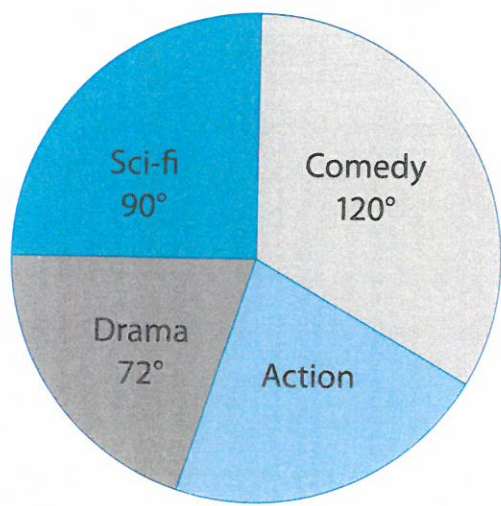
11 Change $6\frac{1}{8}$ kilograms to grams.

grams



12

Favourite type of film



Work out the missing angle for **action** films.

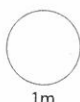
o



20 people said their favourite type of film was **comedy**.

How many people were in the survey?

people



13 $\frac{10}{7} = 1.42857142857\dots$

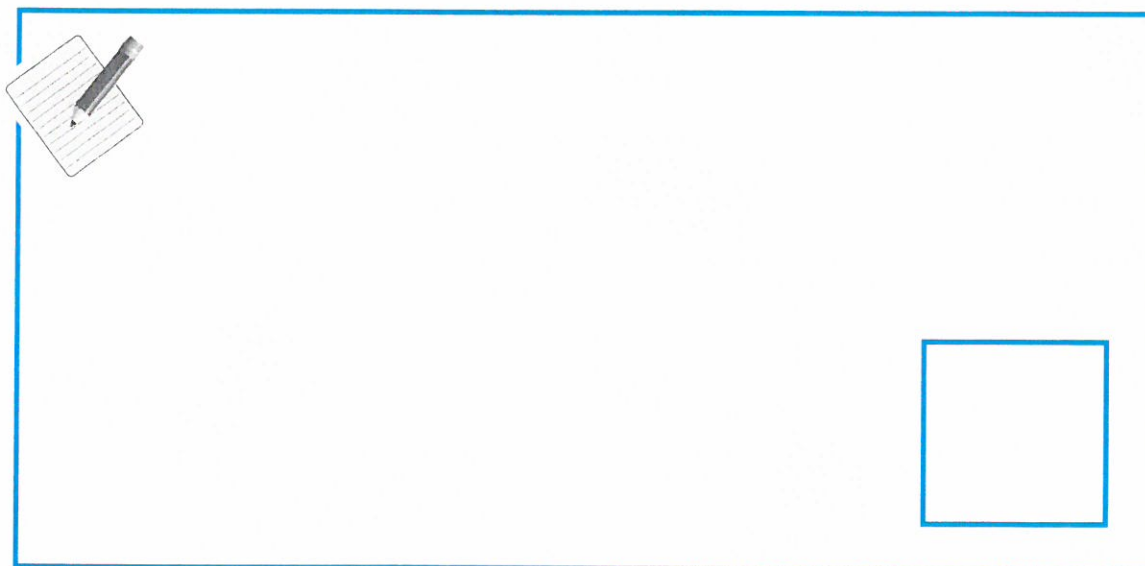
Round this value to **3 decimal places**.



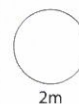
Now round the value to **3 significant figures**.



14 Work out $6\frac{2}{3} + 10\frac{1}{4}$



A large rectangular workspace for solving the problem. In the top-left corner, there is an icon of a notepad with a pencil. In the bottom-right corner, there is a smaller square box.

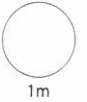


15 The **circumference** of a circle is 314cm.

What is the **diameter** of the circle?

Use $\pi = 3.14$

cm

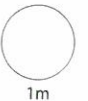


1m

16 Time = $\frac{\text{Distance}}{\text{Speed}}$

so

Distance =



1m

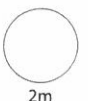
17 Cerys opens a bank account with £400

After one year, the bank pays interest of 1.25% into her account.

How much is in her account after one year?



£



2m

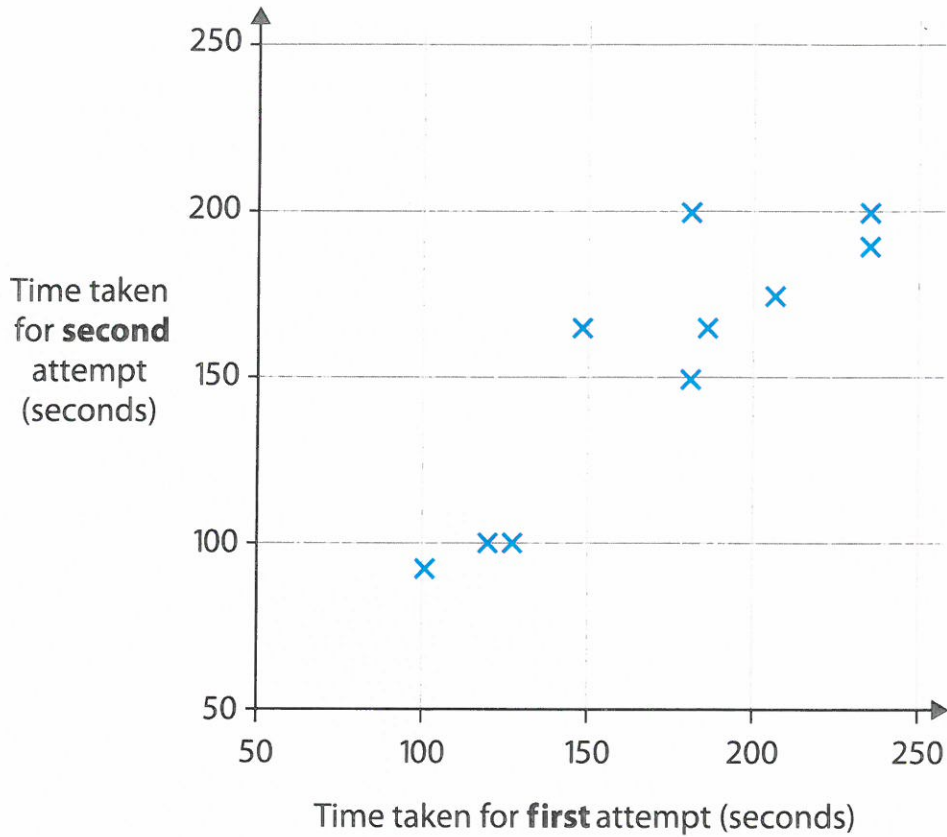


TOTAL

8m

18

Scatter diagram to show the reaction times of ten people



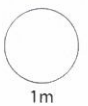
Circle the description below that describes the **correlation** between the first and second attempts.

positive

negative

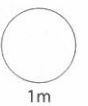
none

100%



How many of the ten people took **longer** on their second attempt than on their first attempt?

people



- 19 20% of a cake is banana. 25% is flour.

A slice of this cake contains 40g of flour.

How many grams of banana are in the slice of cake?



2m

- 20 $\frac{1}{6}$ is a recurring decimal because $\frac{1}{6} = 0.166666\dots$

Circle the values below that are also recurring decimals.

$\frac{1}{3}$

$\frac{1}{4}$

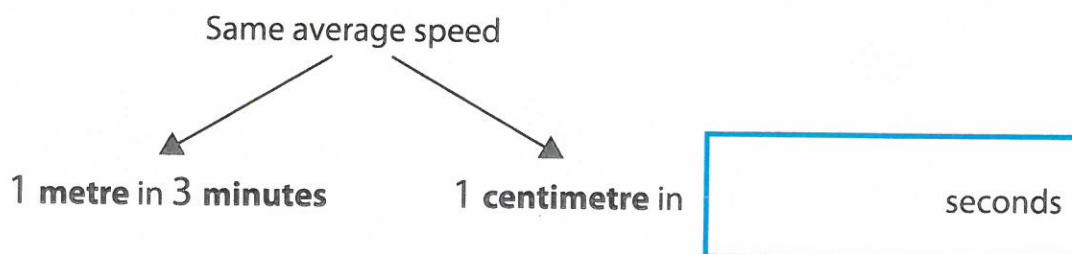
$\frac{1}{5}$

$\frac{1}{8}$

$\frac{1}{9}$

2m

- 21 Work out the missing number of seconds.



1m

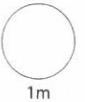
22 Circle the value below that equals 8.2×10^7

8207

820 000 000

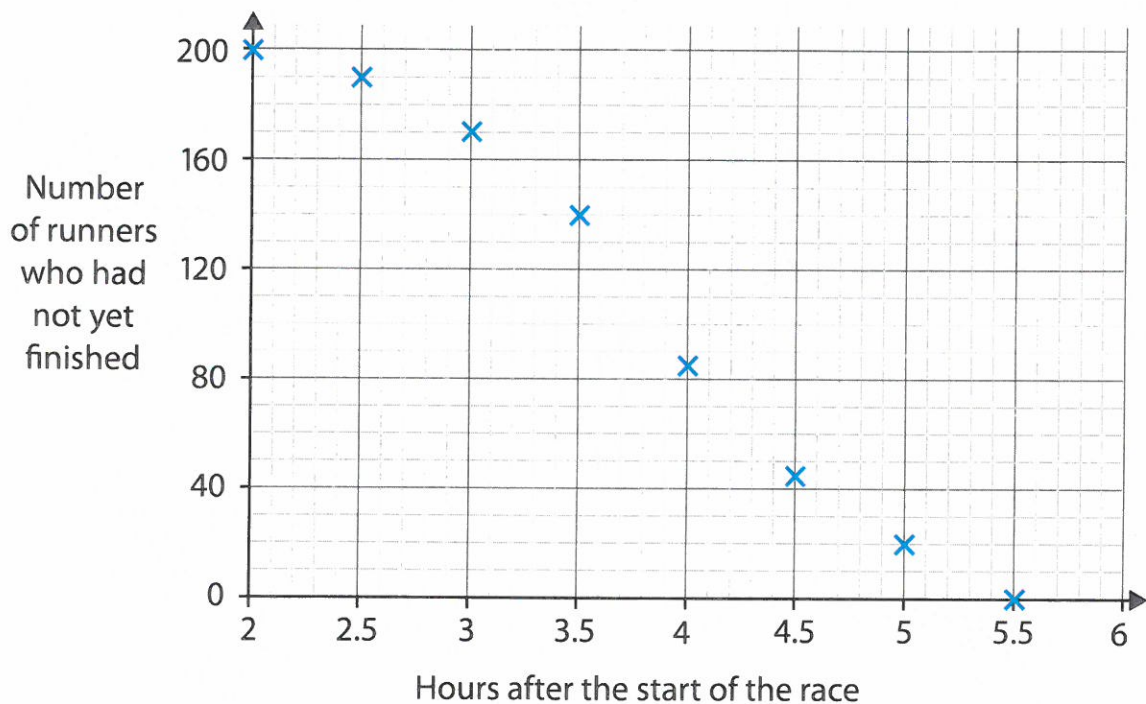
8.20000000

82 000 000



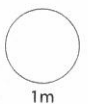
23 200 runners took part in a race.

The chart shows information about them.



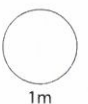
About how many runners had not yet finished 4 hours after the start?

runners



What percentage of the runners finished the race in a time of 3 hours or less?

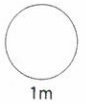
%



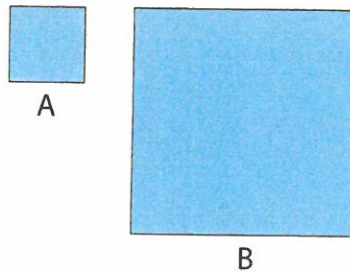
24 Two-thirds of the members of a club are female.

One-quarter of those females are less than 18 years old.

What fraction of the members are both female and less than 18 years old?

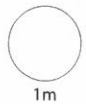


25 The side length of square A is one-third of the side length of square B.



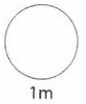
The ratio of the **perimeters** of A : B is

1 :



The ratio of the **areas** of A : B is

1 :



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