

# PROCEDURAL

## 9EP14

First name \_\_\_\_\_

Last name \_\_\_\_\_

School \_\_\_\_\_

Class \_\_\_\_\_

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2014

Total score  (maximum 36)



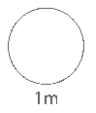
117564



Llywodraeth Cymru  
Welsh Government

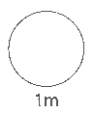
1 Write the missing number.

| British pounds |   | Jamaican dollars |
|----------------|---|------------------|
| £1             | = | 152              |
| £3             | = |                  |

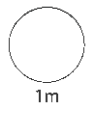


2 On a scale drawing, 2 centimetres represent 1 metre.  
What is the scale?

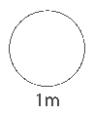
1 :



3 Write 0.75 as a fraction.

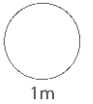


Write  $\frac{4}{5}$  as a decimal.



4

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

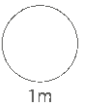


5

Write two values greater than zero that add to 0.1

+

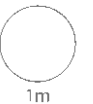
$$= 0.1$$



6

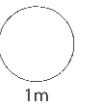
Rohan has £14 in **twenty-pence** coins.

How many twenty-pence coins does Rohan have?

 coins

7

$$10^3 =$$

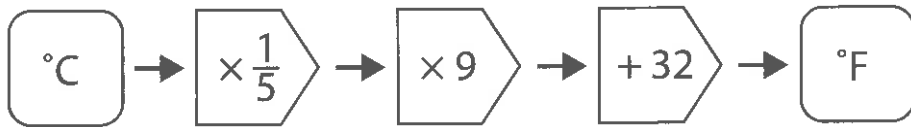


8 What percentage of 300 is 60?

9

$20 \times 0.07 =$

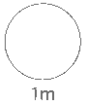
10 This formula changes °C to °F.



Complete the formula to change °F to °C.

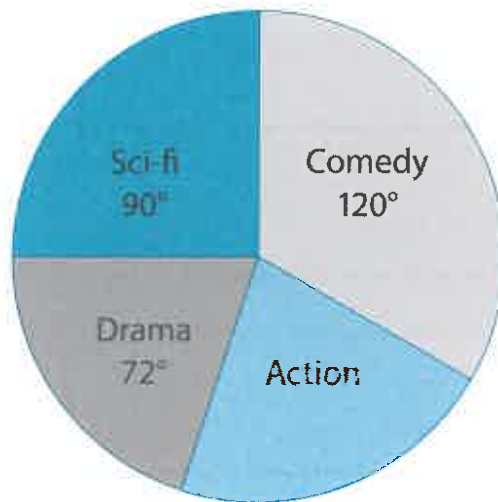


11 Change  $6\frac{1}{8}$  kilograms to grams.

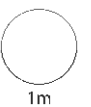


12

Favourite type of film

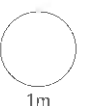


Work out the missing angle for **action** films.



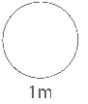
20 people said their favourite type of film was **comedy**.

How many people were in the survey?

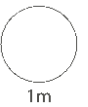


13  $\frac{10}{7} = 1.42857142857\dots$

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

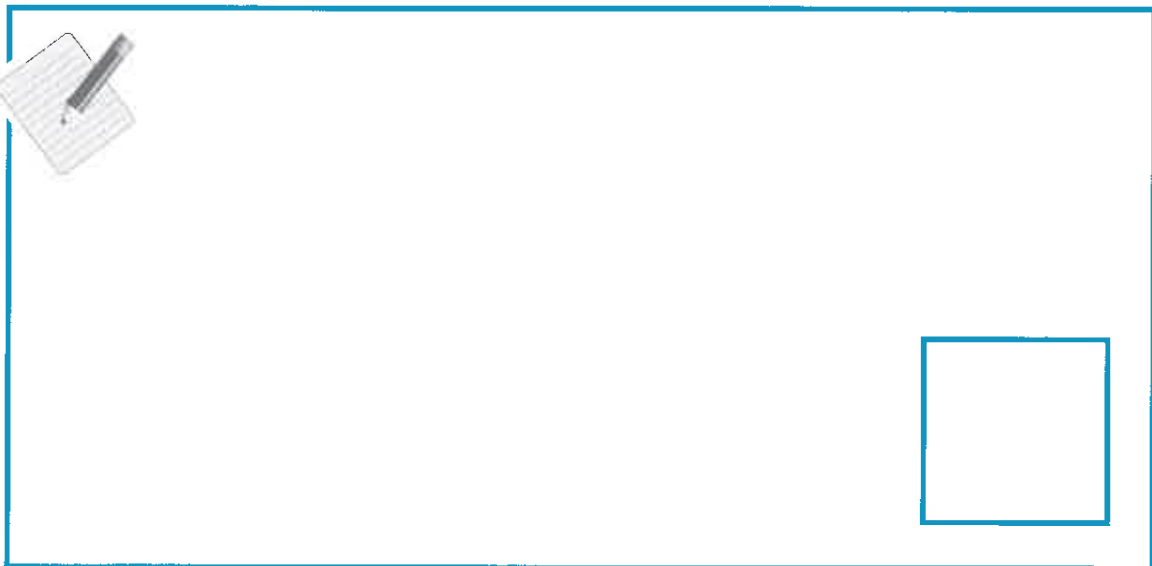



Now round the value to **3 significant figures**.




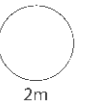
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14 Work out  $6\frac{2}{3} + 10\frac{1}{4}$

A large rectangular box for working out the answer. In the top-left corner, there is a small icon of a notepad and a pencil. In the bottom-right corner, there is a smaller square box, likely for the final answer.







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

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

Use  $\pi = 3.14$

cm



1m

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

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

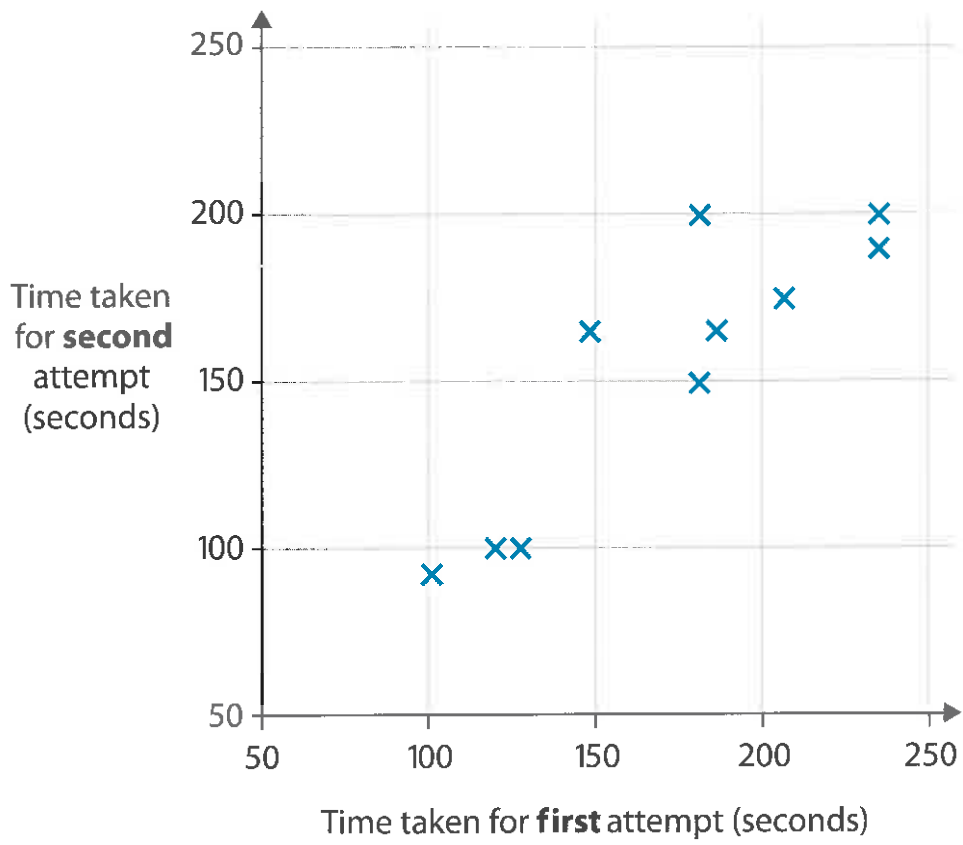


TOTAL

8m

18

### Scatter diagram to show the reaction times of ten people



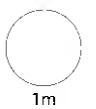
Circle the description below that describes the **correlation** between the first and second attempts.

positive

negative

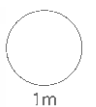
none

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.

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{1}{5}$

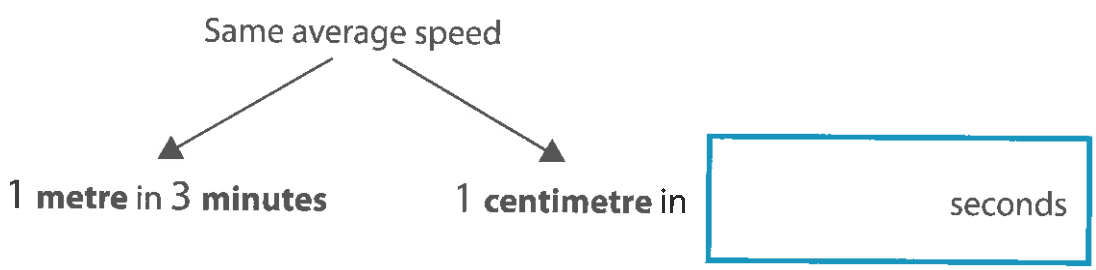
$\frac{1}{8}$

$\frac{1}{9}$

2m

21

Work out the missing number of seconds.



1m

TOTAL  
7m

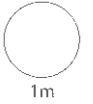
22 Circle the value below that equals  $8.2 \times 10^7$

8207

820 000 000

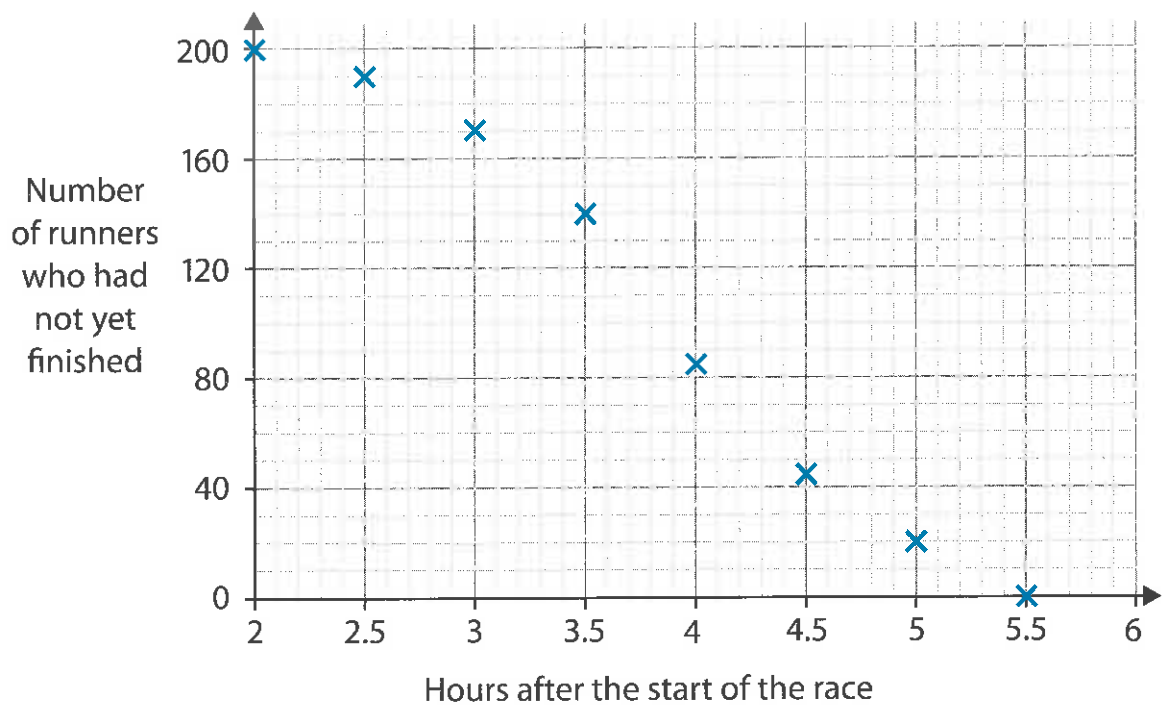
8.20000000

82 000 000



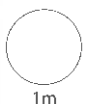
23 200 runners took part in a race.

The chart shows information about them.



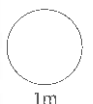
About how many runners had not yet finished 4 hours after the start?

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.

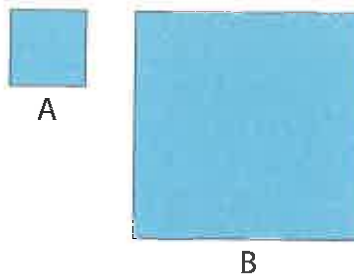
One-quarter of those females are less than 18 years old.

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 :

