

# PROCEDURAL

## 9EP15

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

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

School \_\_\_\_\_

Class \_\_\_\_\_

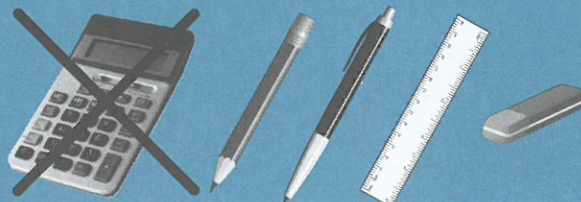
Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ (2) (0) (1) (5)

Total score  (maximum 36)



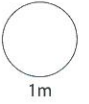
128918



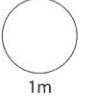
Llywodraeth Cymru  
Welsh Government

1

$$25\% \text{ of } 200\text{g} = \boxed{\phantom{000}} \text{ g}$$



$$\boxed{\phantom{00}} \% \text{ of } 200\text{g} = 20\text{g}$$



2

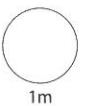
Tomato plants are sold in trays of 12



Dai wants 100 tomato plants.

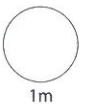
How many trays should he buy?

$$\boxed{\phantom{000}} \text{ trays}$$




3

$$\boxed{\phantom{000}} \div 3 + 40 = 100$$



4

<p><b>Hiring cost</b> £32 for every 30 minutes</p>	
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How much is the hiring cost for  $2\frac{1}{2}$  hours?

£

1m

5

$1000 - 19.3 + 24.7 =$

1m

6

Circle the value below that is equivalent to 4%.

- 4.0      0.4      4.00      0.04      0.004

1m

7

Insert one pair of brackets to make the calculation correct.

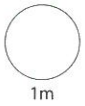
$90 \times 4 + 6 \div 2 = 450$

1m

TOTAL  
 8m

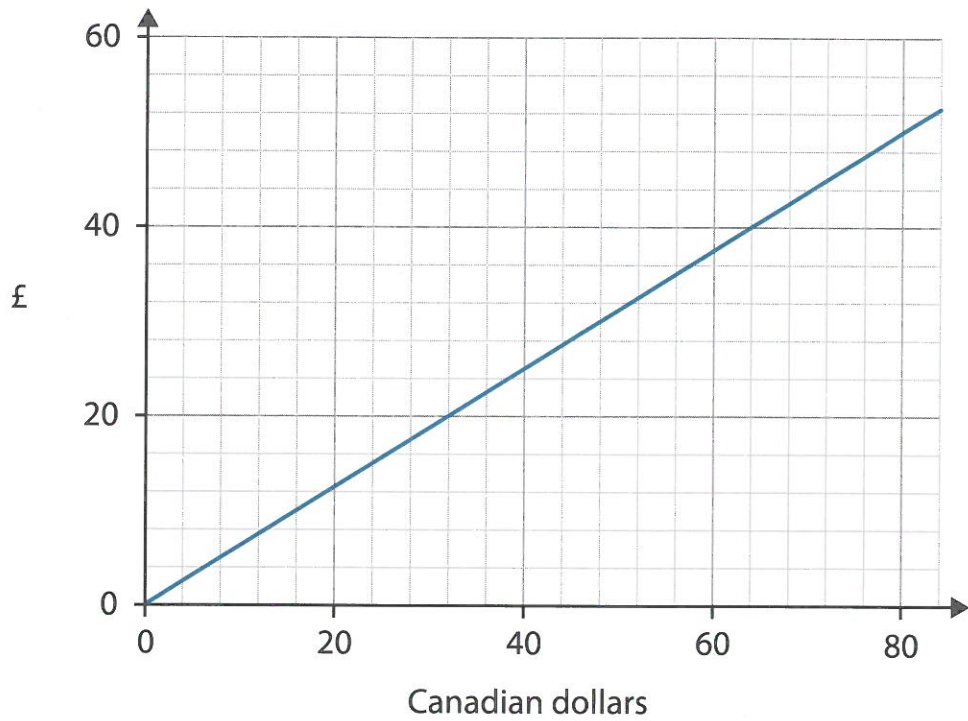
8

20% of 60 = 40% of

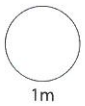


9

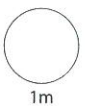
**Graph to change Canadian dollars to £**



32 Canadian dollars =



Canadian dollars = £100



10

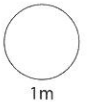


Jacket:	£29.99
Skirt:	£14.99
Jumper:	£14.95
Tie:	£4.99

Mrs Jones wants to buy the jacket, skirt, jumper and tie.

Estimate, to the nearest £, her change from £100

£



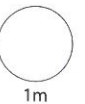
11

On Nia's map, 4cm represents 1km.

She walks a route that measures 24cm on the map.

How many kilometres does she walk?

km



Nia walks at an average speed of 5km per hour.

At that speed, how long would a walk of  $7\frac{1}{2}$  km take?

hours

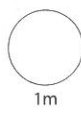


TOTAL

6m

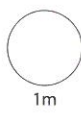
12

$$1 : 5 = \boxed{3 : \quad}$$



13

$$\frac{1}{4} \times \frac{1}{4} = \boxed{\quad}$$



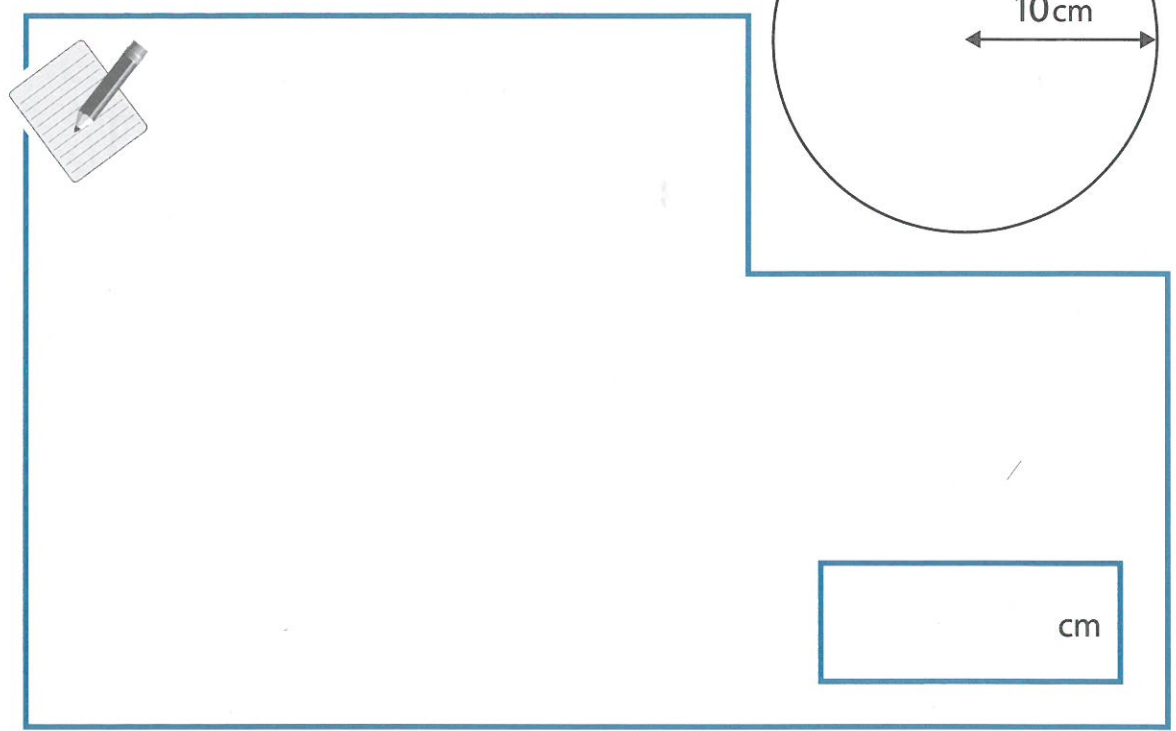
$$\left(\frac{3}{4}\right)^2 = \boxed{\quad}$$



14

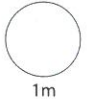
Work out the **circumference** of the circle.

Use  $\pi = 3.14$

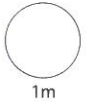


15

$0.3 \times 0.2 =$



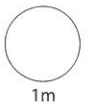
$5 \div 0.05 =$



16

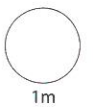
Decrease £35 by 10%.

£

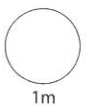


17

$2^3 \times 2^4 =$



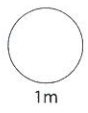
$2^{10} \div 2^7 =$




Top 14 winners of Olympic medals for athletics

Number of athletes	Number of medals each athlete won
1	22
1	18
1	15
3	14
8	12

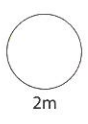
What fraction of these 14 athletes won **more than 12** medals?



Altogether, how many medals did the 14 athletes win?

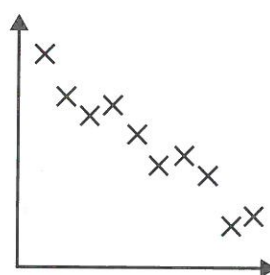
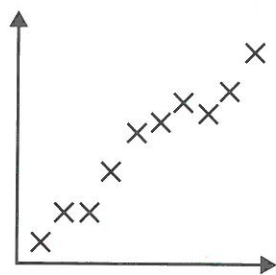
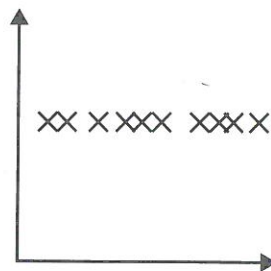
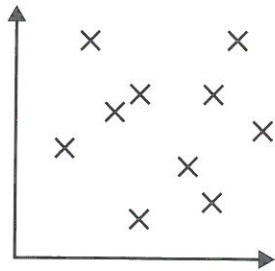


medals





19 Tick the scatter graph that shows **negative** correlation.




1m

20

**Formula to change temperature in °C to °F**  
Multiply the temperature in °C by  $\frac{9}{5}$ , then add 32

Change  $-10^{\circ}\text{C}$  to  $^{\circ}\text{F}$ .



°F

2m

TOTAL  
6m

21

Before a pay rise	After a pay rise
£8.00 per hour	£8.25 per hour

Circle the value that shows the approximate **percentage increase**.

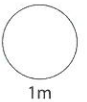
1%

3%

5%

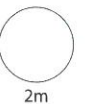
7%

9%



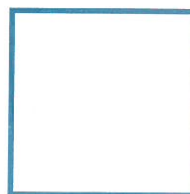
22

Write the fraction that is exactly **halfway** between  $\frac{1}{10}$  and  $\frac{3}{5}$



23  $\frac{1}{3} = 0.\dot{3}$

What fraction is equal to  $0.0\dot{3}$ ?



1m

24 The table shows information about a group of teenagers.

Their <b>mean</b> age	<b>Range</b> of their ages
17 years and 6 months	3 years and 3 months

Complete the table to show information about the **same group** of teenagers exactly **one year later**.

Their <b>mean</b> age	<b>Range</b> of their ages
years and months	years and months



2m

