

# PROCEDURAL

## 9EP15

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

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

School \_\_\_\_\_

Class \_\_\_\_\_

Date of birth ○○ ○○ ○○○○

Date of test ○○ ○○ (2) (0) (1) (5)

Total score  (maximum 36)



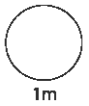
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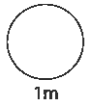
Llywodraeth Cymru  
Welsh Government

1

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

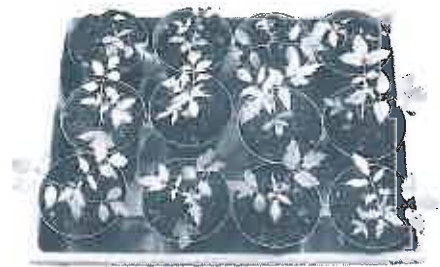


$$\boxed{\phantom{00}} \% \text{ of } 200\text{g} = 20\text{g}$$



2

Tomato plants are sold in trays of 12



Dai wants 100 tomato plants.

How many trays should he buy?

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



3

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



4

Hiring cost  
£32 for  
every 30 minutes



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

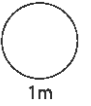
Insert one pair of brackets to make the calculation correct.

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

1m

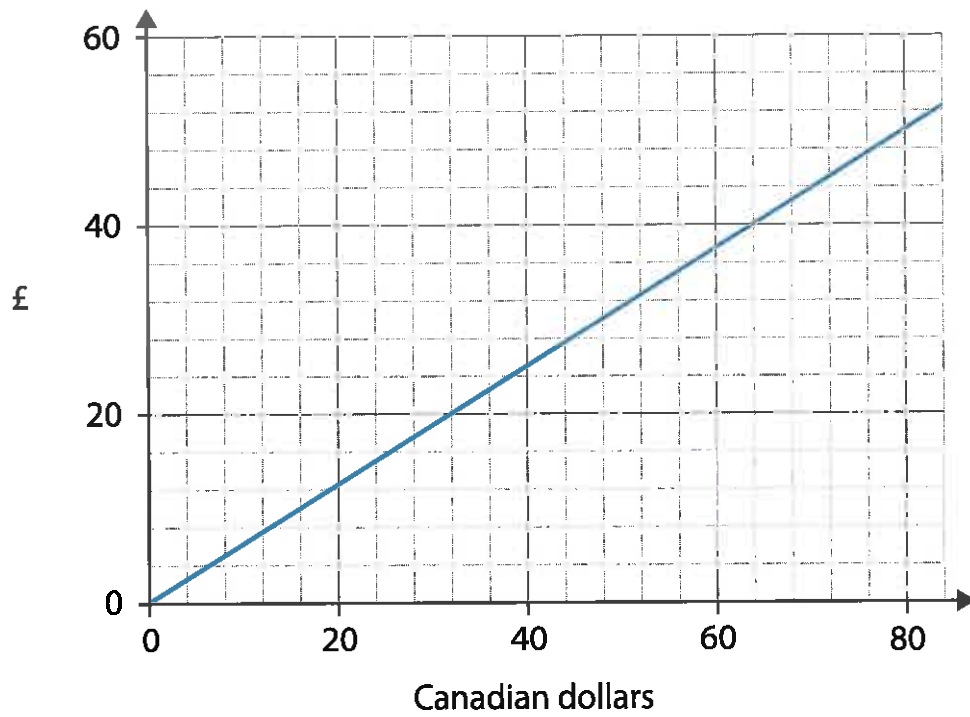
8

$$20\% \text{ of } 60 = 40\% \text{ of } \boxed{\phantom{00}}$$

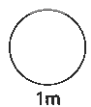


9

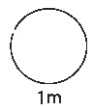
### Graph to change Canadian dollars to £



$$32 \text{ Canadian dollars} = \boxed{\phantom{00}} \text{ £}$$



$$\boxed{\phantom{00}} \text{ Canadian dollars} = \text{£}100$$



10

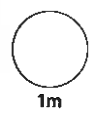


Jacket:	£29.99
Skirt:	£14.99
Jumper:	£14.95
Tie:	£4.99

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

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

£



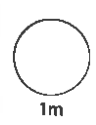
11

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

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

How many kilometres does she walk?

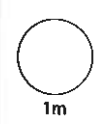
km



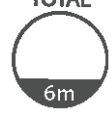
Nia walks at an average speed of 5km per hour.

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

hours

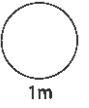


TOTAL



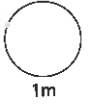
12

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

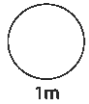


13

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



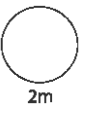
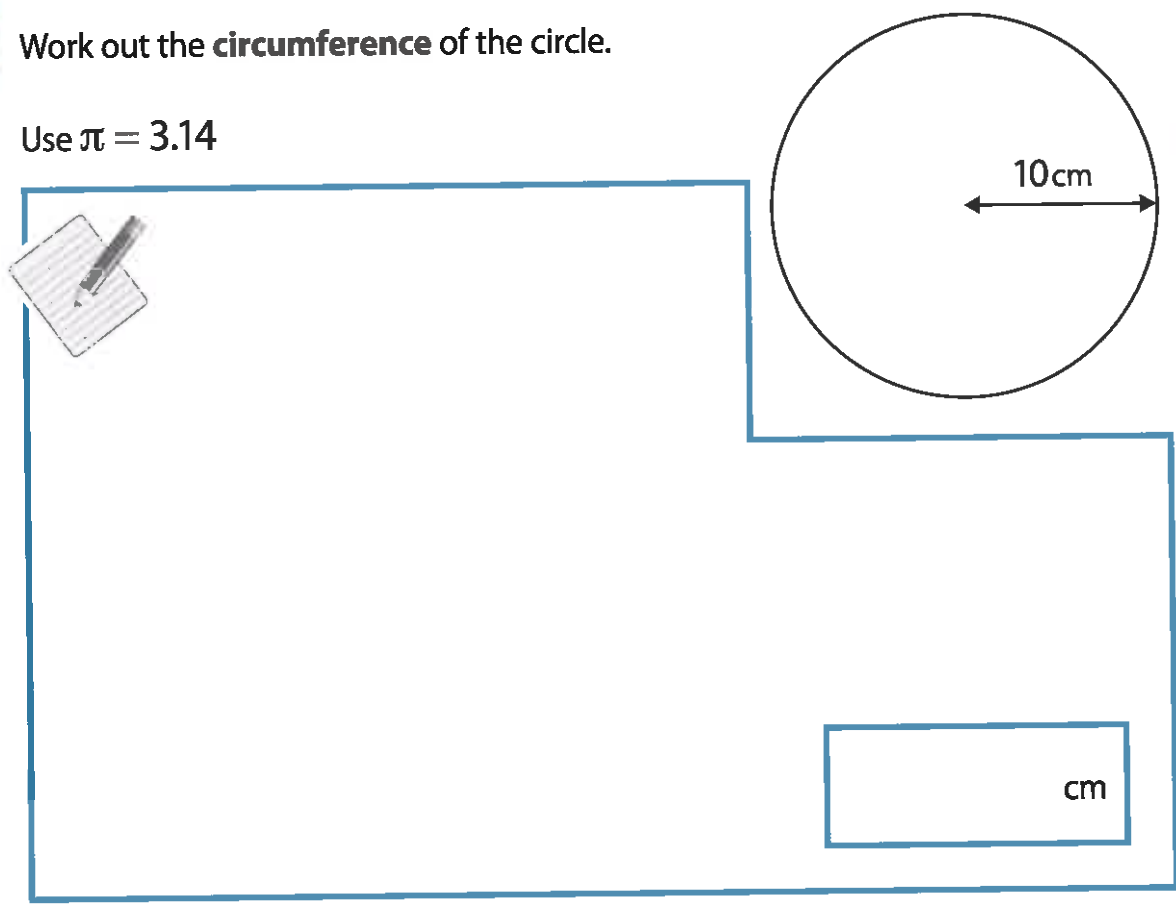
$$\left(\frac{3}{4}\right)^2 = \boxed{\quad}$$



14

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

Use  $\pi = 3.14$



15

$$0.3 \times 0.2 = \boxed{\phantom{000}}$$

1m

$$5 \div 0.05 = \boxed{\phantom{000}}$$

1m



16

Decrease £35 by 10%.

$$\text{£} \boxed{\phantom{000}}$$

1m



17

$$2^3 \times 2^4 = \boxed{\phantom{000}}$$

1m

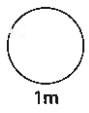
$$2^{10} \div 2^7 = \boxed{\phantom{000}}$$

1m

**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

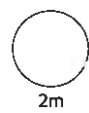
What fraction of these 14 athletes won **more than 12** medals?



Altogether, how many medals did the 14 athletes win?

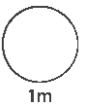
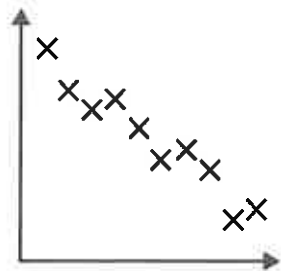
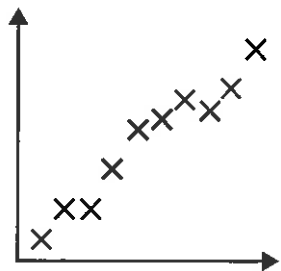
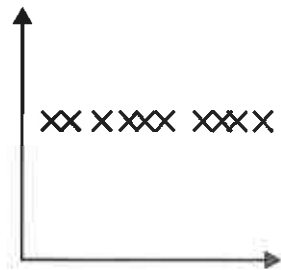
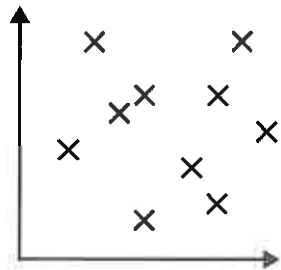


medals






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



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



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**.

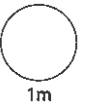
1%

3%

5%

7%

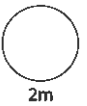
9%



1m

22

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



2m

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

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