

PROCEDURAL

9EP17

First name _____

Last name _____

School _____

Class _____

Date of birth

Date of test

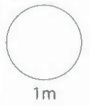
Total score (maximum 36)



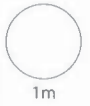
150309



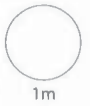
1 Write $\frac{3}{4}$ as a decimal.



2 $1000 - 142 =$



$13 \times 11 =$

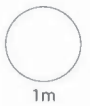


3 



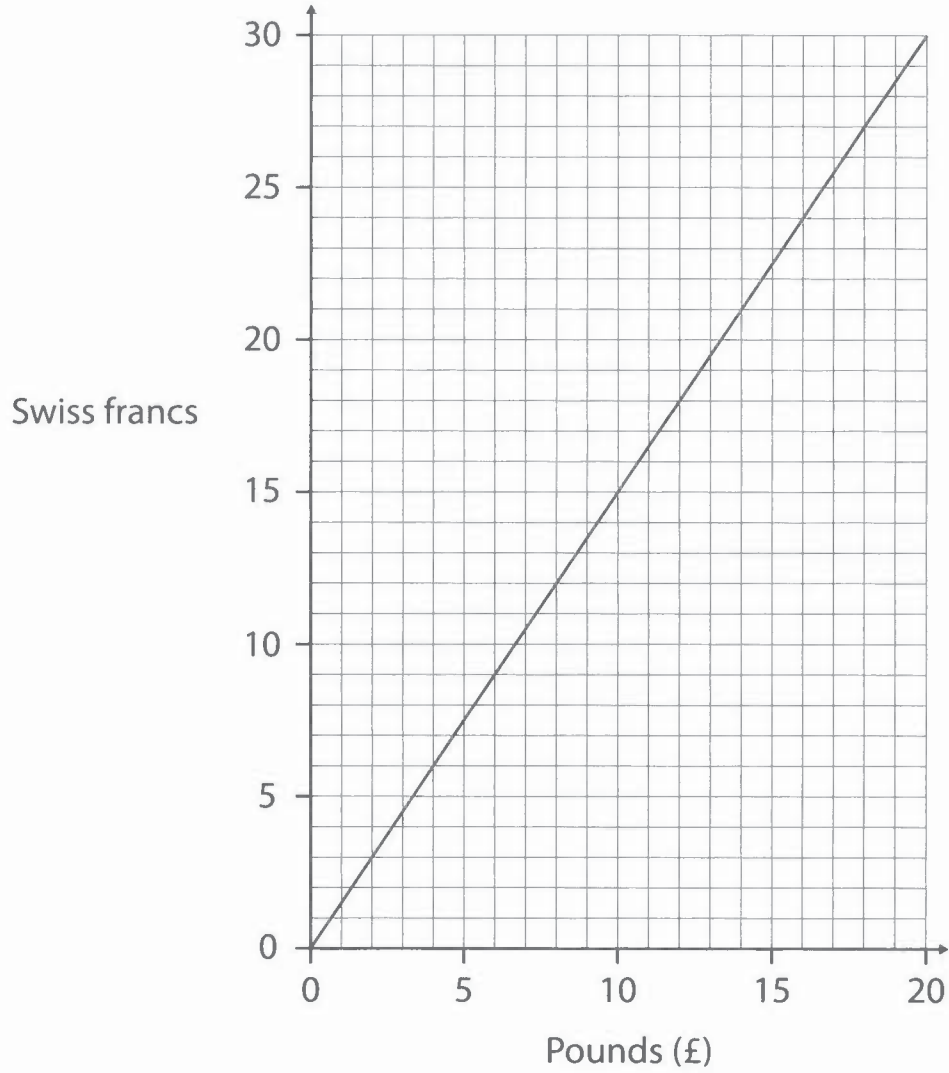
How much **cheaper** is it to buy all three together than to buy them separately?

cheaper



4

Exchange rate graph



15 Swiss francs = £

£25 = Swiss francs

1m

1m

5 Write 12 out of 60 as a percentage.

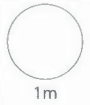
%

1m

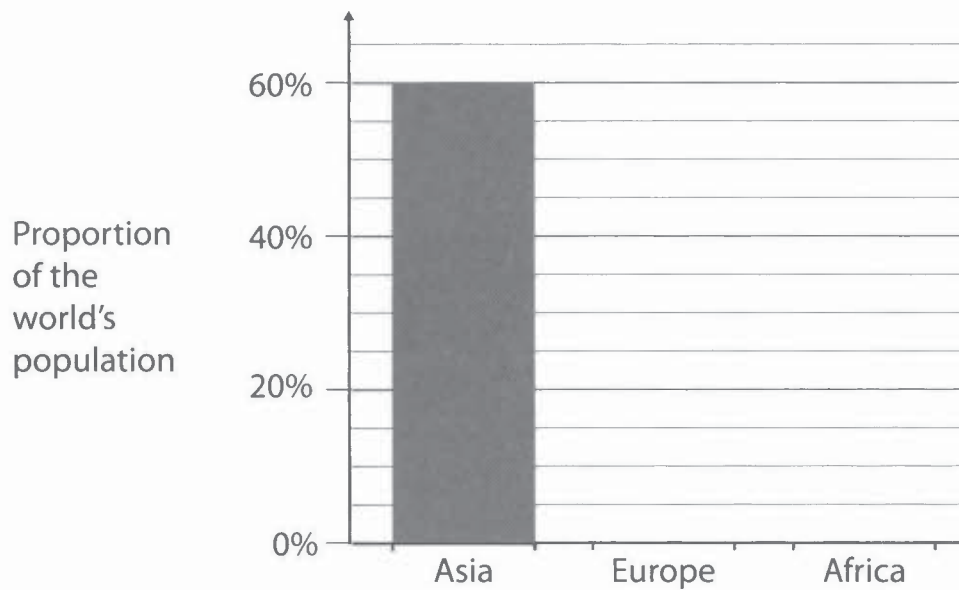
6 A map uses a scale of 1 centimetre to 100 metres.

How many centimetres on the map represent a distance of 1 kilometre?

centimetres

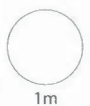


7 Bar chart to compare the populations of Asia, Europe and Africa



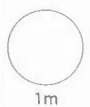
The ratio of populations of **Asia : Europe** is about 6 : 1

Draw the bar for Europe on the chart.



The ratio of populations of **Europe : Africa** is about 2 : 3

Draw the bar for Africa on the chart.



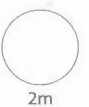
8

Two-way table to show the number of Welsh speakers in an office

	Number of females	Number of males
Welsh speaker	34	26
Not a Welsh speaker	19	21

What fraction of these people are Welsh speakers?

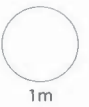
Write your answer in its simplest form.

2m

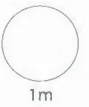
9

$$4^3 =$$



1m

$$\text{The cube root of } 1000 =$$

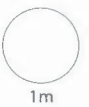


1m

10

Multiply $\frac{2}{3}$ by 5

Write your answer as a mixed number.



1m

TOTAL



8m

11



Rent a car

Small car £14.95 per day

Medium car £18.99 per day

Alun wants to rent a medium car for 5 days.

To the **nearest £**, how much would he save by renting a small car?

£

1m

12

$$0.2 \times 0.2 =$$

$$8 \div 0.8 =$$

1m

1m

13

A scatter diagram shows that one variable **increases** as the other **decreases**.

What type of correlation is this?

correlation

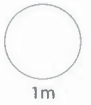
1m

14 Tariq buys 100 shares at 500p per share.

After one year he sells them all at 450p per share.

In total, how much money has Tariq lost?

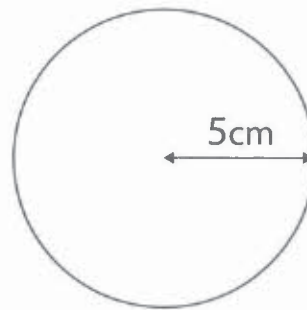
£



15 Write the missing number in this statement about a circle.

Diameter = × radius

Underline the calculation below that shows the **circumference** of this circle.

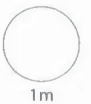
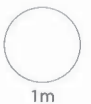


$5 \times \pi$

$10 \times \pi$

$25 \times \pi$

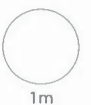
$100 \times \pi$



16 Chile is a country in South America.

In Chile people use money called pesos.

£1.25 = 1000 pesos so £5 = pesos



TOTAL



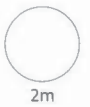
17 In 1919 a plane flew across the Atlantic for the first time.

It flew 3040 kilometres in 16 hours.

What was its average speed?



kilometres per hour



2m

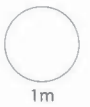
18 Cerys is an architect.

She uses the scale 1 : 50 when drawing plans.

A wall will be 6 metres long.

What length, in centimetres, should it be on the plan?

centimetres



1m

19 Circle the number below that is equivalent to 1000×1000

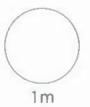
10^9

10^8

10^7

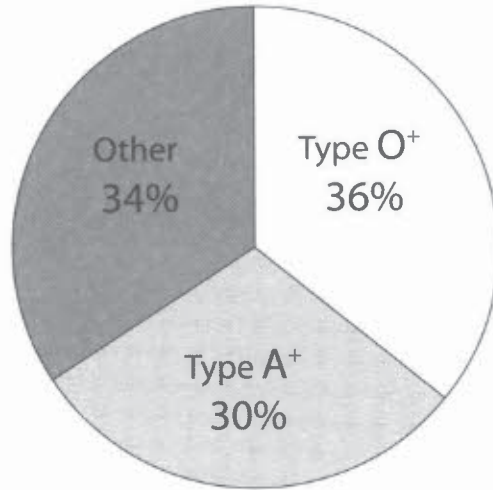
10^6

10^5



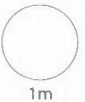
1m

20 The pie chart shows the most common blood types of donors in the UK.



In a random sample of 500 donors in the UK, how many would you expect to be type O⁺?

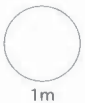
donors



1m

21 1 stone = 14 pounds

7 stones = pounds

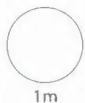


1m

22 30 is increased to 50

To the **nearest 1%**, what is the **percentage increase**?

%



1m

TOTAL



7m

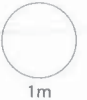
23 Circle all the calculations below that have the same answer as 15% of 28

$$0.15 \div 28$$

$$15 \div 100 \times 28$$

$$0.15 \times 28$$

$$100 \div 15 \times 28$$

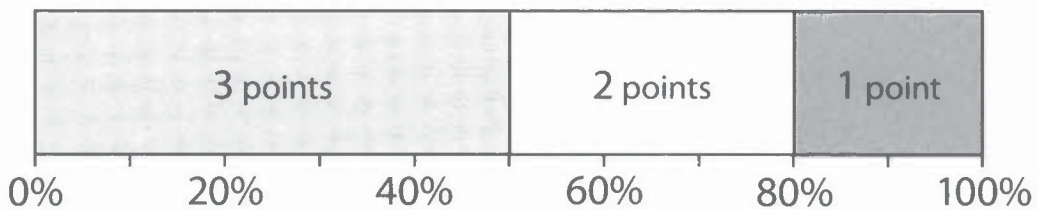


1m

24 In a survey 100 people were asked how much they liked a new drink.

They gave a score of 3 points, 2 points or 1 point.

The percentage bar chart shows their responses.



Work out the **mean** number of points.



points



2m

25

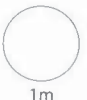
Manon sees this road sign in France.



She knows that it takes 60 minutes to drive to Loudéac.

At the same speed, how long would it take to drive to Rostrenen?

minutes




1m

26

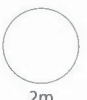
$$\text{Temperature in } ^\circ\text{C} = \frac{(\text{Temperature in } ^\circ\text{F} - 32)}{1.8}$$

The temperature in the clouds of Jupiter is about -238°F .

Work out this temperature in $^\circ\text{C}$.



$^\circ\text{C}$



2m

TOTAL



6m

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