NUMERACY

9EP13

First name _____

Last name _____

School _____

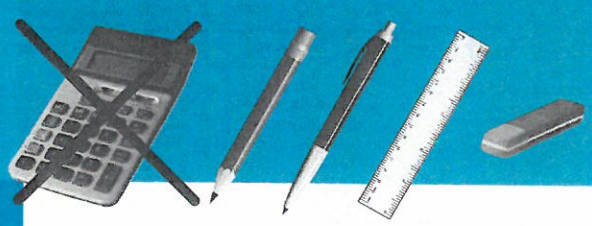
Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 0 5 2 0 1 3

Total score ( ) (maximum 36)

National Numeracy Tests



Llywodraeth Cymru
Welsh Government

1

Costs
£42.19
£29.79
£56.45
£72.99

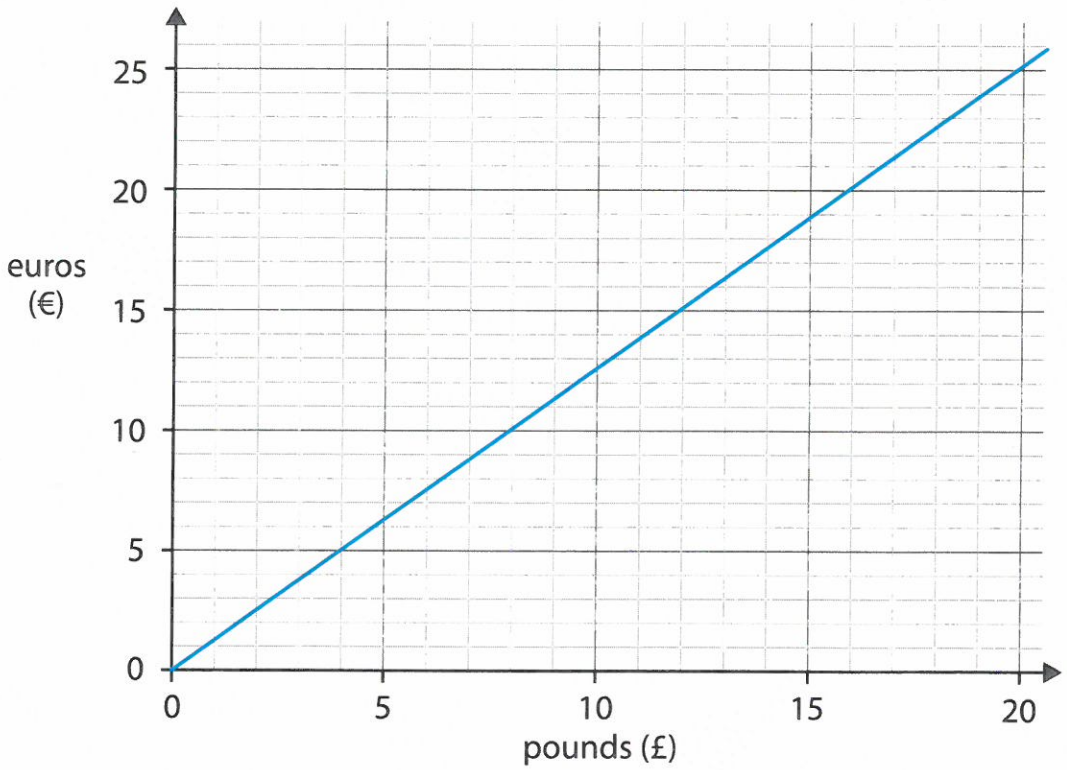
Estimate the total cost.

£ ____

1m

2

Exchange rate graph for pounds (£) and euros (€)



£15 = ____ €

1m

£ ____ = 40€

1m

3 $629 - 32.5 =$ ☐

1m

4 ☐ % of 800g = 200g

1m

20% of £90 = £ ☐

1m

5 Write **<**, **>** or **=** in each box.

20%	☐	0.02
0.7	☐	$\frac{4}{5}$
$\frac{1}{8}$	☐	15%
95%	☐	$\frac{19}{20}$

2m

TOTAL 8m

6 A calculator shows:

Round the number to **2 decimal places**.

1m

Round the number to **2 significant figures**.

1m

7 How many **quarters** are there in $5\frac{3}{4}$?

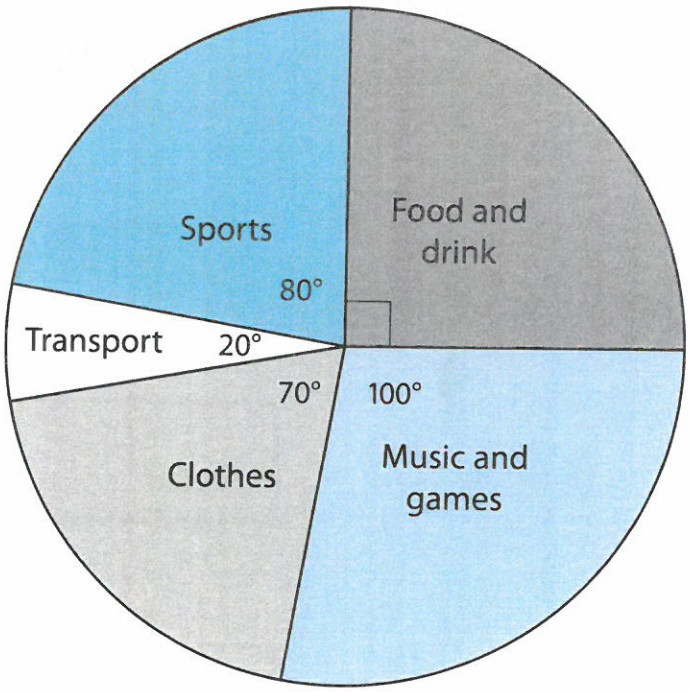
1m

Write $\frac{30}{7}$ as a mixed number.

1m

8

How Lauren spent her pocket money



What **fraction** did Lauren spend on **sports**?

Write the fraction in its simplest form.

1m

Lauren spent £14 on **clothes**.

How much did she spend on **transport**?

£

1m

TOTAL

6m

9 An aeroplane travels 2725 miles in 5 hours.

What is its average **speed**?

miles per hour

1m

10 $28 - (5 + 6) \times 2 =$ ☐

1m

$2 \times 5^3 =$ ☐

1m

11 Ali is using a map with a scale of 1 : 10 000

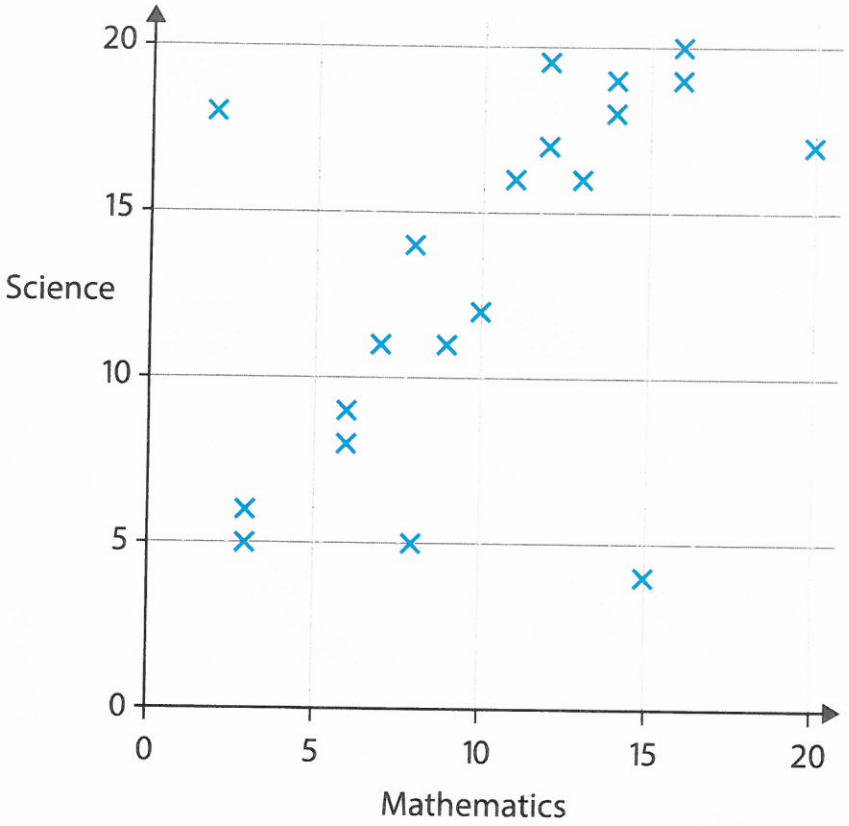
He walks a path that measures 4 **centimetres** on the map.

How many **metres** does he walk?

metres

1m

12 **Marks for class 9A in science and mathematics tests**



How many pupils got **more** marks in mathematics than science?

pupils

1m

One pupil was ill in the mathematics test.

Circle the point on the graph that is most likely to show this pupil.

1m

What kind of **correlation** does the scatter graph show?

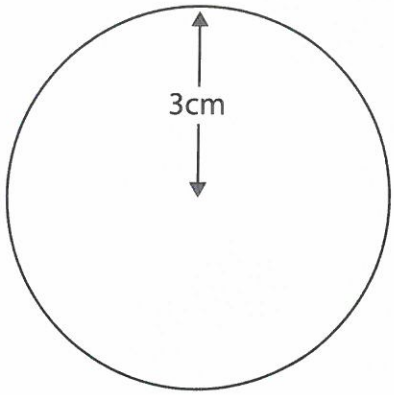
1m

TOTAL

7m

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

Use $\pi = 3.14$



cm

2m

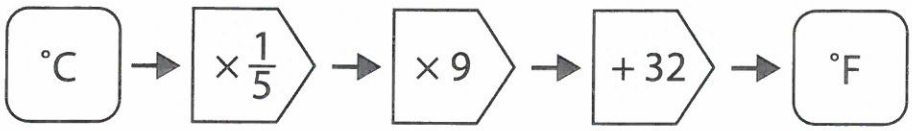
14 The **cube root** of 8 is

1m

The **reciprocal** of $\frac{2}{3}$ is

1m

15 **Formula to change temperature in °C to °F**



What is 30°C in °F?

°F

2m

16

0.4 × 0.2 =

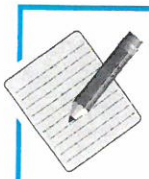
1m

TOTAL 7m

17 David invests £250 in an account.

After a year, the amount has **decreased** by 3%.

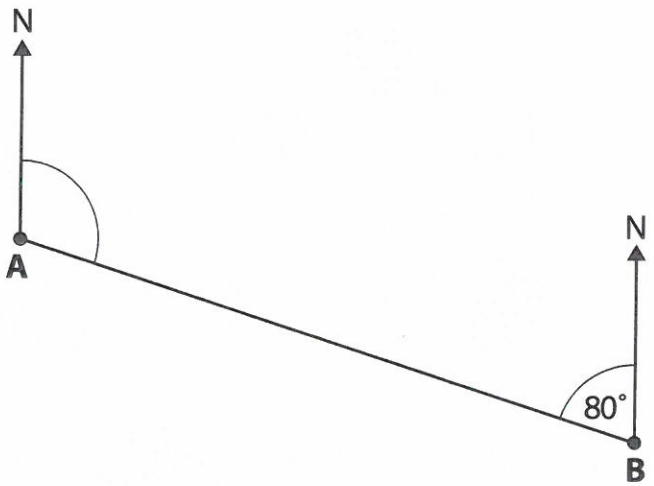
How much money is there now?



£

2m

18 What is the bearing of **B from A**?



°

1m

19

$10^5 \times 10^2 =$ ☐

1m

$10^9 \div 10^3 =$ ☐

1m

20 Work out $11.07 \div 0.9$

☐

2m

21 Complete the table.

Number		Standard form
40 000	↔	4×10^4
☐	↔	3.9×10^6

1m

TOTAL

8m

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