PROCEDURAL

8EP15

First name _____

Last name _____

School _____

Class _____

Date of birth ◯◯ ◯◯ ◯◯◯◯

Date of test ◯◯ ◯◯ ②⓪①⑤

Total score ◯ (maximum 36)

1

$$8 \times 4 \div (4 \times 2) = \boxed{}$$

1m

2

All books:
£5.99 each

Work out the greatest number of books you can buy with £45

| books |

1m

3 Find 25% of £36

£

1m

4

Time in Wrexham	Time in New York
11:00	06:00

Later that day it is 14:30 in Wrexham.

What time is it in New York?

:

1m

5 Complete the table.

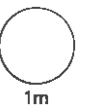|	Greater than $\frac{1}{2}$	Less than $\frac{1}{2}$
3	✓	
0.09		
$\frac{2}{3}$		
0.28		

1m

6   0.7 km = [metres   ]

1m

7   14 × 11 = [   ]

1m
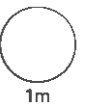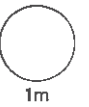
8 **Subtract** 0.09 from 0.1

[   ]

1m

3

TOTAL

8m

9 Complete the three boxes on this invoice.

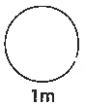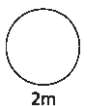|	
[ ] hours at £35 for each hour: total cost	£280
plus tax at **20%** of the total cost	£ [ ]
Grand total	£ [ ]

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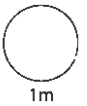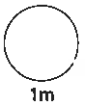
10 Work out how many thirds there are in $4\frac{1}{3}$

[ ]

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11 A 250g block of cheese costs £1.80

How much is that per 100g?

[ ]

12

$$1.24 \quad + \quad 1.25 \quad + \quad 1.26 \quad =$$

1m

13

Menu

Eggs on toast	£2.49
Curry with rice	£6.95
Fish stew	£6.99

2 people order eggs on toast, 3 people order curry with rice

and 1 person orders fish stew.
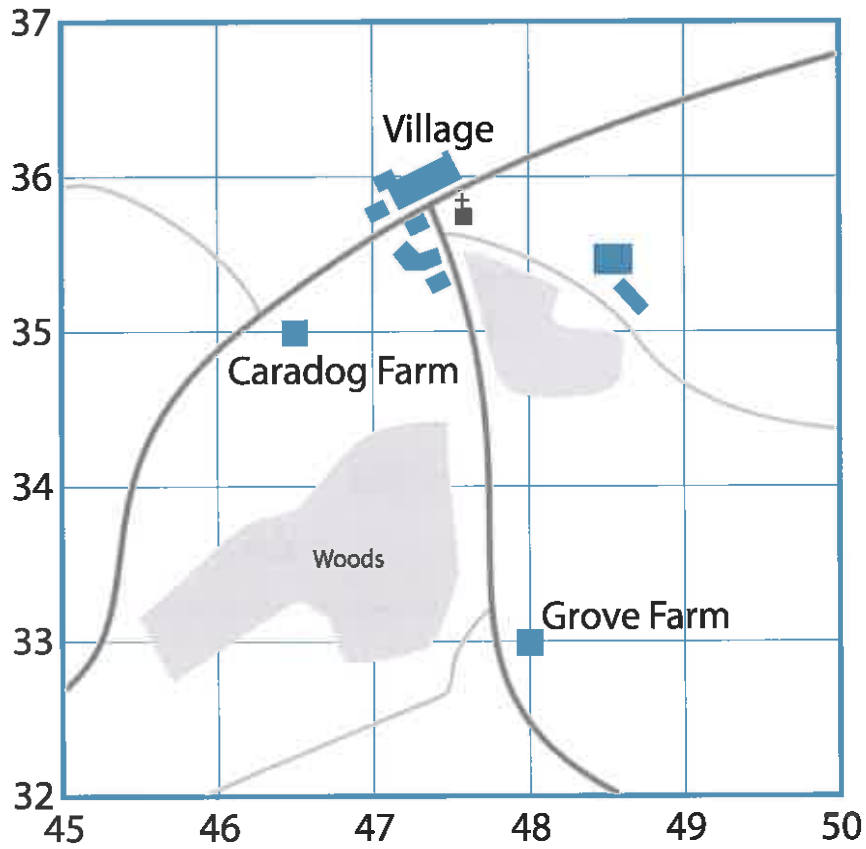
Estimate the total cost, to the nearest £.

£

1m

14

$$90 \quad \times \quad \boxed{} \quad = \quad 0.9$$

1m

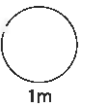**15** Round 777 777 to **three** significant figures.
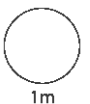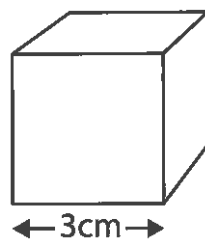
1m

5

TOTAL

9m

16

The six-figure grid reference for Grove Farm is 480330

Write a six-figure grid reference for Caradog Farm.

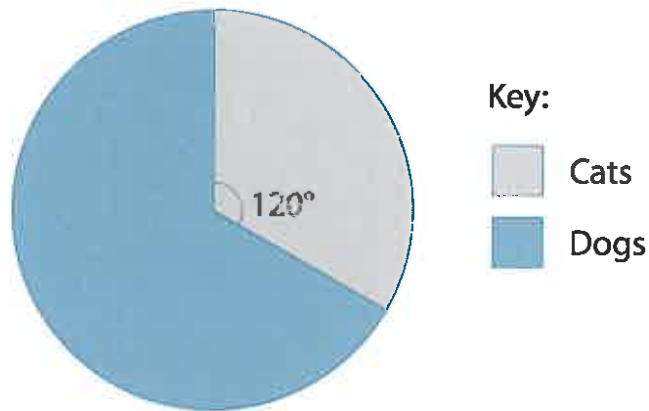**17** Work out the **volume** of the cube.

←—3cm—→

cm³

18 **Pie chart to show the proportion of cats and dogs in a rescue centre**

120°

Key:
☐ Cats
■ Dogs

The ratio of **cats** to **dogs** is | 1 :

The ratio of **dogs** to **cats** is | 1 :

1m

1m

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19 Work out $5^3 - 5^2$

2m

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20 Circle the fraction that is nearest in value to 0.6

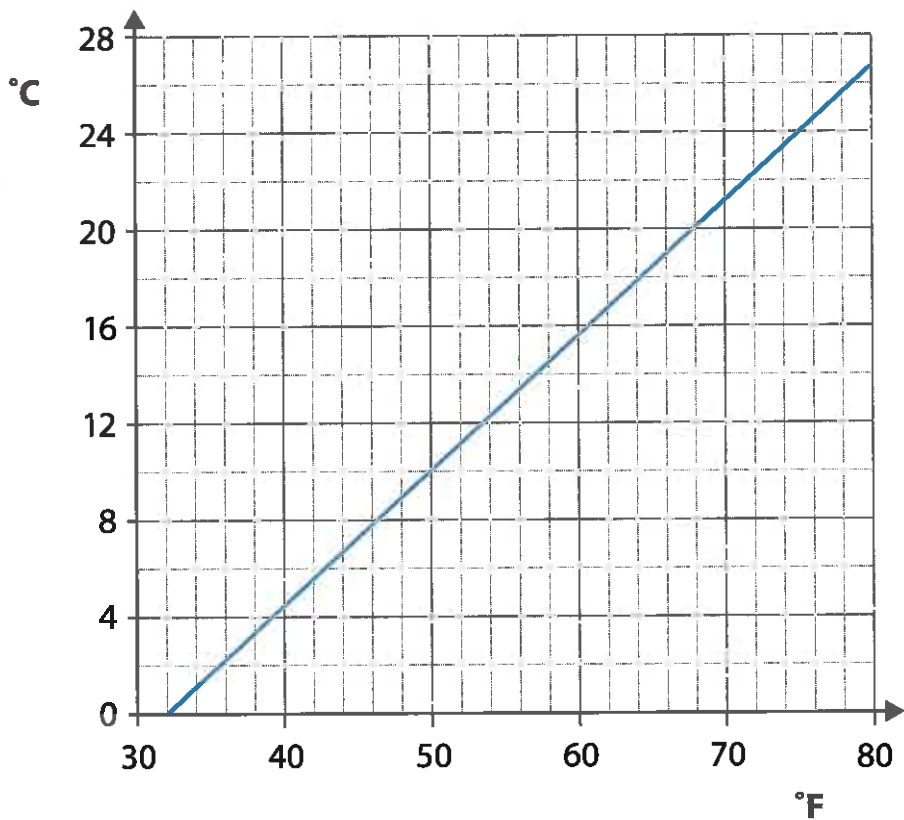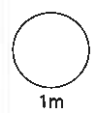$\dfrac{3}{6}$ $\dfrac{2}{5}$ $\dfrac{11}{20}$ $\dfrac{7}{10}$

1m

TOTAL
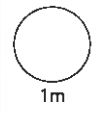
7m

7

Changing between °F and °C

$13°C$ = [   ] °F

○ 1m

When the temperature goes up by $25°F$,

what does it go up by in °C?

[   ] °C

○ 1m

- -

22 The **reciprocal** of $\frac{2}{5}$ is [   ]

○ 1m
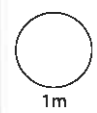
(23) Work out the area of this shape.

3cm

3cm

5cm
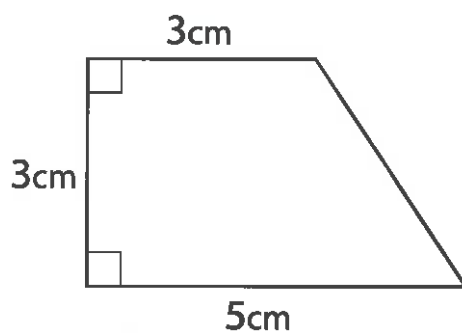
cm²

2m

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(24)

Original price £3000
Price reduced by ▮ %
Now only £1200

Circle the percentage below that shows how much the price has been reduced.
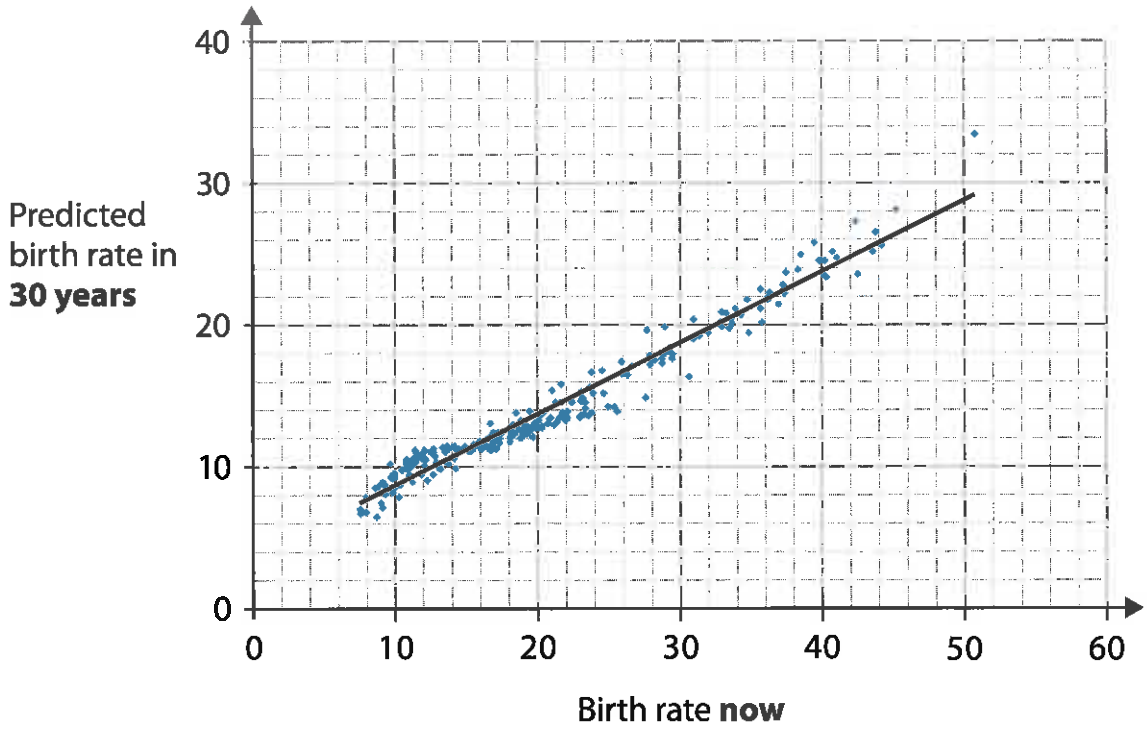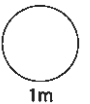
18%   40%   42%   60%   75%

1m

TOTAL

6m

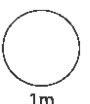**Scatter graph showing yearly birth rates per 1000 people in countries across the world**

What type of correlation does the scatter graph show?

The birth rate now in a different country is 45

Use the line of best fit to predict its birth rate in 30 years.

26 How many litres is **6** pints?

4 pints =
2.27 litres

litres

2m

27

Questionnaire in a restaurant

How good was the service?

1 (excellent)   **2** (good)   **3** (satisfactory)   **4** (poor)

20 people answered the questionnaire.

3 people gave a score of 1 and 9 people gave a score of 2

Everyone else gave a score of 3

What is the **mean** score?

2m

TOTAL

6m

12