

1

The distance between Leeds and London is 200 miles.

What is the distance between Leeds and London in kilometres?

Use 8 km equals 5 miles. $200 \div 5 = 40$

$$\begin{array}{r} \times 40 \\ 320 \text{ km} \end{array} \quad \begin{array}{r} \times 40 \\ 200 \text{ miles} \end{array}$$

320 km

1 mark

2

The distance between Calais and Paris is 288 km.

What is the distance between Calais and Paris in miles?

Use 8 km equals 5 miles.

$$\begin{array}{r} 36 \\ 8 \overline{) 288} \\ \underline{24} \\ 48 \\ \underline{48} \\ 0 \end{array}$$

$$\begin{array}{r} \times 36 \\ 288 \text{ km} \end{array} \quad \begin{array}{r} \times 36 \\ 180 \text{ miles} \end{array}$$

180 miles

1 mark

3

A line is measured to be 9 inches long.

What is the length of the line in cm?

Use 1 inch equals 2.5 cm.

$$9 \times 2 = 18$$

$$9 \times 0.5 = 4.5$$

22.5 cm

1 mark

4

A line is measured to be 17.5 cm long.

What is the length of the line in inches?

Use 1 inch equals 2.5 cm. $17.5 \div 2.5 = 7$

$$\begin{array}{r} \times 7 \\ 7 \end{array} \quad \begin{array}{r} \times 7 \\ 17.5 \end{array}$$

7 inches

1 mark

5

A sack of potatoes has a mass of 5kg.

What is the mass of the potatoes in pounds?

Use 1 kg equals 2.2 pounds.

$$5 \times 2.2 = 11$$

11 lbs

1 mark

6

A rugby player has a mass of 220 lbs.

What is the mass of the rugby player in kg?

Use 1 kg equals 2.2 pounds. $220 \div 2.2 = 100$

$$\begin{array}{r} \times 100 \\ 100 \text{ kg} \end{array} \quad \begin{array}{r} \times 100 \\ 220 \text{ lbs} \end{array}$$

100 kg

1 mark