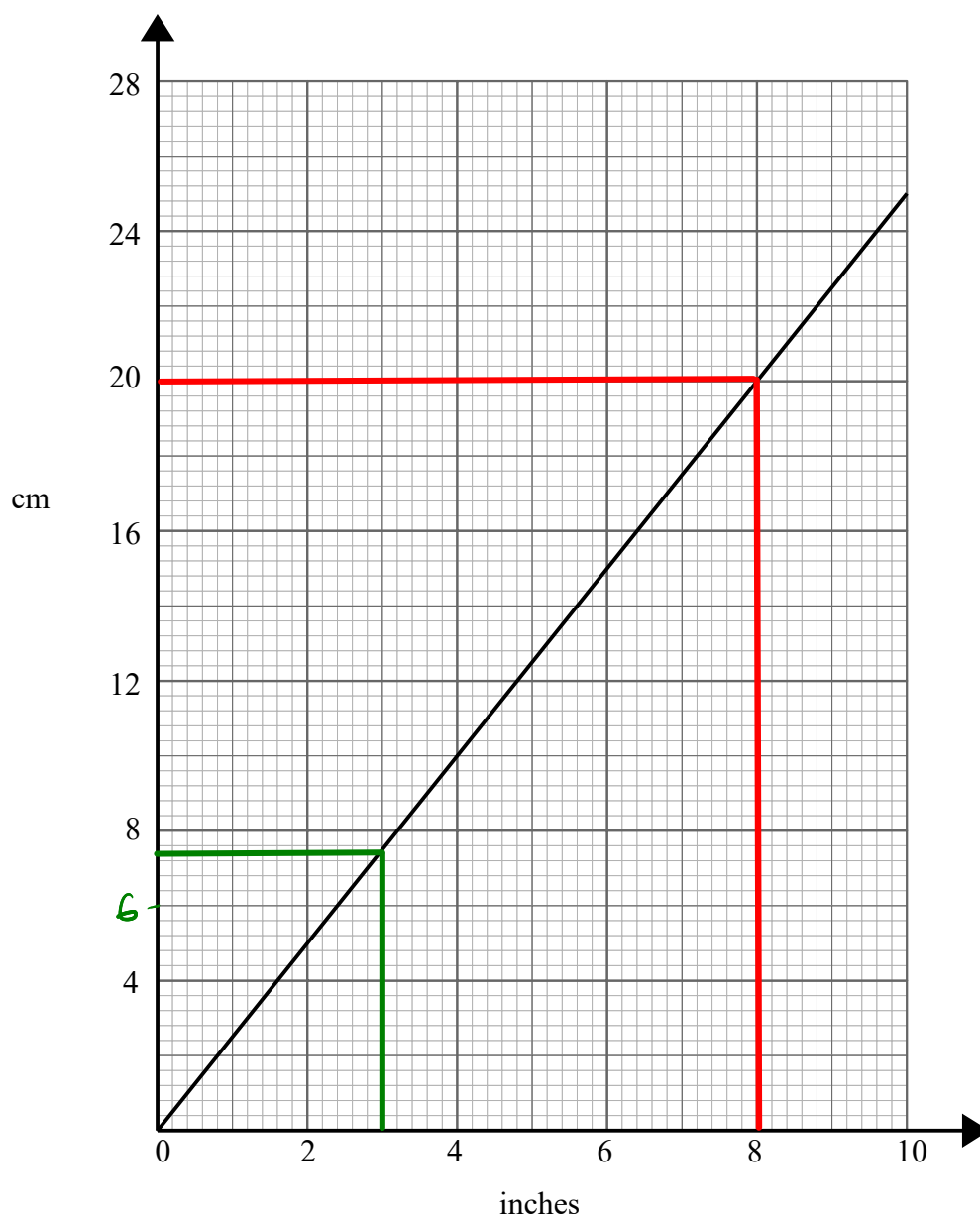


1 You can use this graph to change between inches and centimetres.



(a) Change 3 inches to cm

(b) Change 50 cm to inches

20 cm = 8 inches
 10 cm = 4 inches
 50 cm = 20 inches

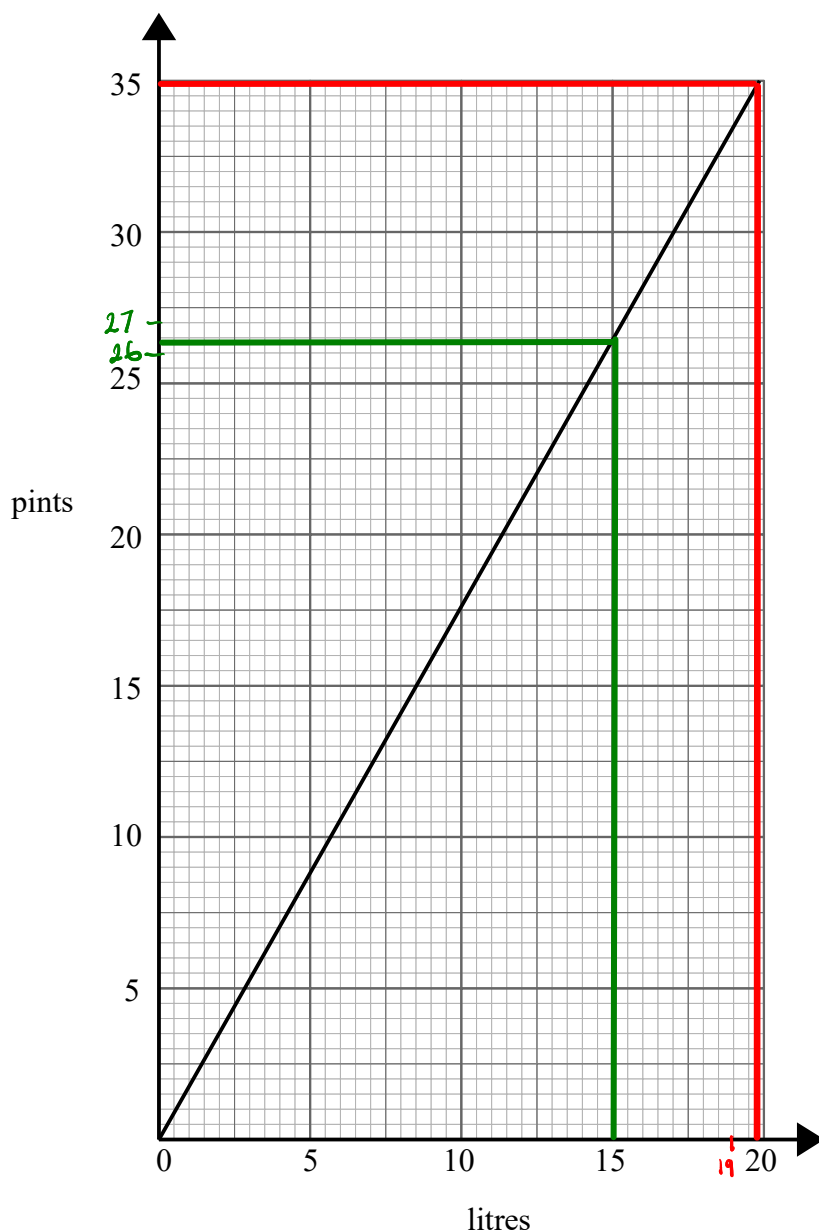
7.4 cm
 (1)
 (7.4 to 7.6)

20 inches
 (2)

(Total for Question 1 is 3 marks)

2

You can use this graph to change between litres and pints.



(a) Change 15 litres to pints.

..... 26.4 pints
 (26.3 - 26.5)⁽¹⁾

(b) Change 70 pints to litres.

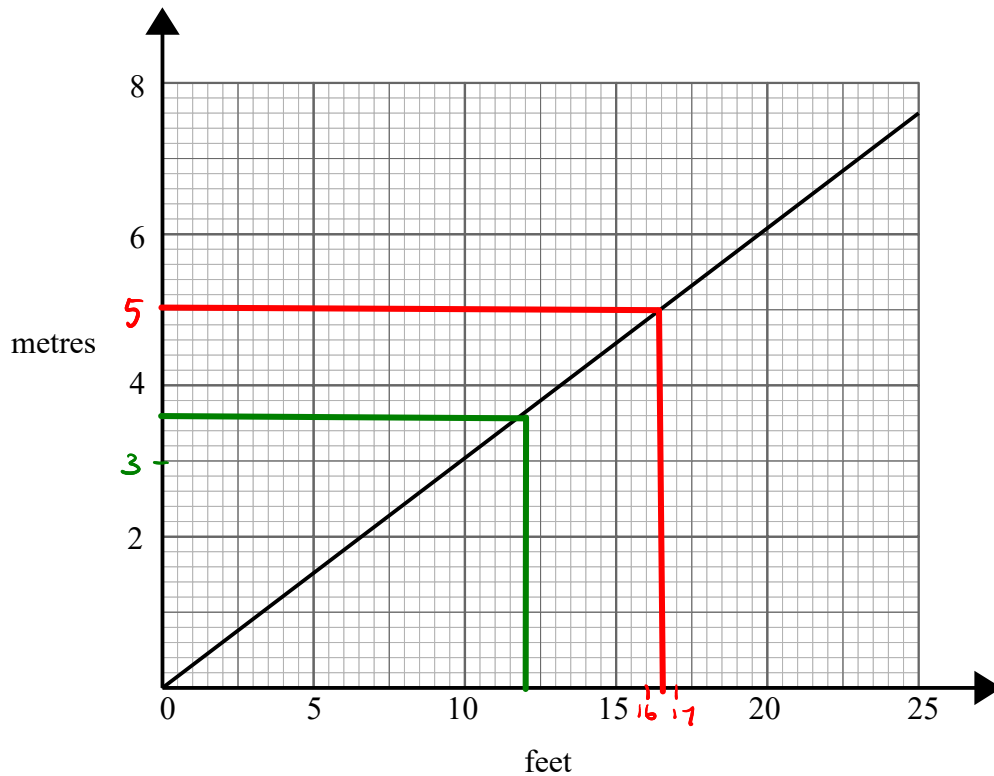
35 pints = 19.75 litres
 $\times 2$ 70 pints = 39.5 litres

..... 39.5 litres
 (39.5 to 39.7)⁽²⁾

(Total for Question 2 is 3 marks)

3

You can use this graph to change between feet and metres.



(a) Change 12 feet to metres.

(b) Change 25 metres to feet.

..... 3.6 metres
(3.6 to 3.7) ⁽¹⁾

$$\begin{array}{r} 5 \text{ metres} = 16.5 \text{ feet} \\ \times 5 \end{array}$$

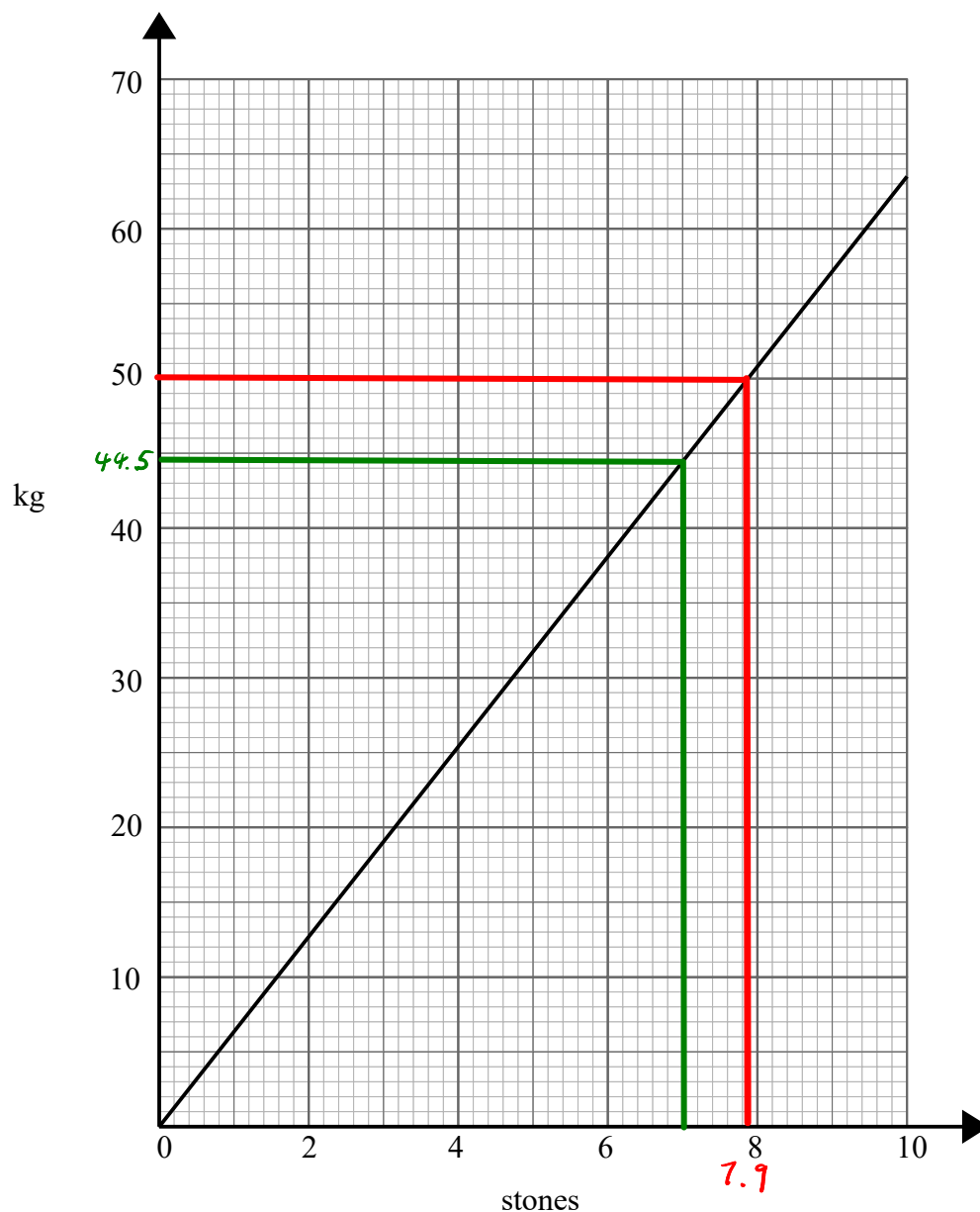
$$25 \text{ metres} = 82.5 \text{ feet}$$

..... 82.5 feet
(81 to 83) ⁽²⁾

(Total for Question 3 is 3 marks)

4

You can use this graph to change between stones and kilograms.



(a) Change 7 stones to kilograms.

..... 44.5 kg
 (44 to 45)⁽¹⁾

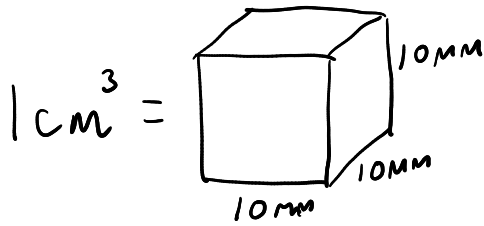
(b) Change 100 kilograms to stones.

50 kg = 7.9 stones
 100 kg = 15.8 stones

..... 15.8 stones
 (15.7 to 15.9)⁽²⁾

(Total for Question 4 is 3 marks)

5 Write 35 cm^3 in mm^3



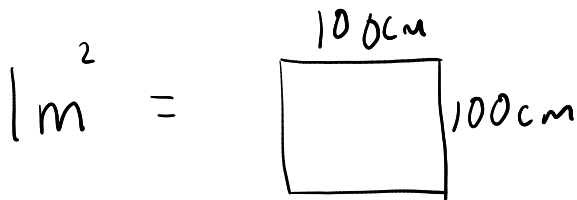
$$10 \times 10 \times 10 = 1000 \text{ mm}^3$$

$$1 \text{ cm}^3 = 1000 \text{ mm}^3$$

..... 35000 mm^3

(Total for Question 5 is 1 mark)

6 Write 4.5 m^2 in cm^2



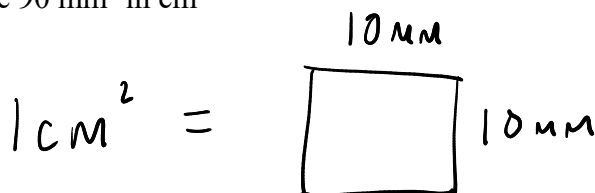
$$100 \times 100 = 10000$$

$$1 \text{ m}^2 = 10000 \text{ cm}^2$$

..... 45000 cm^2

(Total for Question 6 is 1 mark)

19 Write 90 mm^2 in cm^2



$$10 \times 10 = 100$$

$$1 \text{ cm}^2 = 100 \text{ mm}^2$$

..... 0.9 cm^2

(Total for Question 7 is 1 mark)

9 Write 30 kilometres per hour in metres per second

30 km in 1 hour
30 000 m in 1 hour
30 000 m in 60 minutes
 $\div 60$

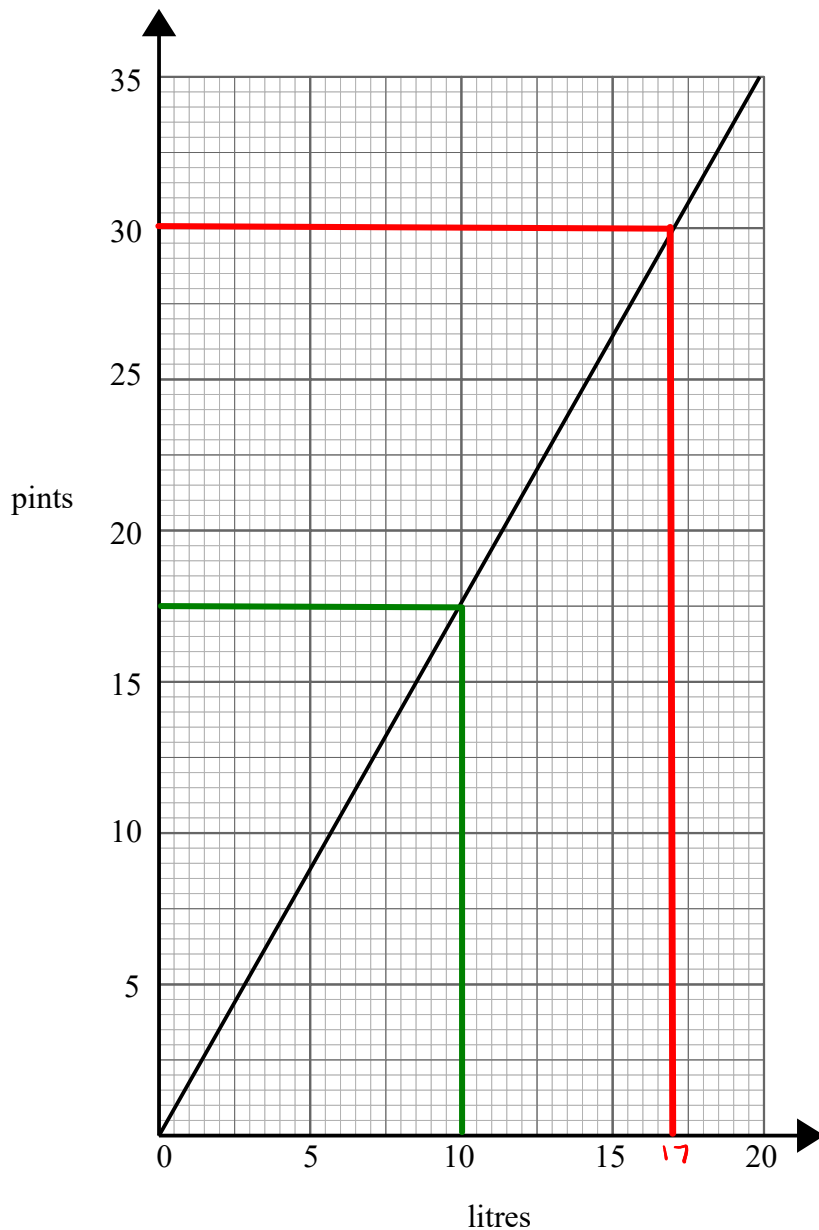
500 m in 1 min
500 m in 60 seconds
 $\div 60$

8.3 m in 1 second

8.3 m/s

(Total for Question 9 is 2 marks)

10 You can use this graph to change between litres and pints.



(a) Change 10 litres to pints.

17.5 pints
(1)

(b) Change 90 pints to litres.

$$\begin{array}{l} 30 \text{ pints} = 17 \text{ litres} \\ \times 3 \qquad \qquad \times 3 \\ 90 \text{ pints} = 51 \text{ litres} \end{array}$$

51 litres
(50 - 52) (2)

(Total for Question 10 is 3 marks)