

# M6 = 25 days to go!

2 (a) (i) Joe has 12 pints of oil.

How many litres is this?

Use 1 pint = 0.568 litres.

$$12 \text{ pints} \quad 12 \times 0.568$$

Answer 6.816 [2]

(ii) Jan has 15 litres of oil.

How many pints is this?

$$15 \div 0.568 =$$

Answer 26.41 [2]

(b) Explain how to change a weight in pounds into kilograms.

$$1 \text{ kg} \approx 2.2 \text{ lbs}$$

pounds

[2]

You need to know this.

To change from pounds to kilograms  
you divide by 2.2

8 There are 32 pupils in a class and all were present on Monday.

On Monday the teacher asked each pupil their favourite colour.

She recorded the results for green, blue and yellow accurately in a table.

|       | Green | Blue | Yellow | Total |
|-------|-------|------|--------|-------|
| Girls | 3     | 5    | 4      | 12    |
| Boys  | 4     | 7    | 2      | 13    |
| Total | 7     | 12   | 6      | 25    |

(a) Give a reason why the total number of boys and girls in the table is not 32

Some of the class chose a different colour that is not green, blue or yellow. [1]

(b) There are 18 girls in the class.

What is the probability that a girl said the colour blue?

5

Answer  $\frac{5}{18}$  [1]

(c) What is the probability that a pupil in the class **did not** say green?

32 in class .  
7 said green

Answer  $\frac{25}{32}$  [1]