

Multiplying by 10

- 1 (a) $\begin{array}{r} 4.2 \\ \times 10 \\ \hline \end{array}$ (b) $\begin{array}{r} 3.4 \\ \times 10 \\ \hline \end{array}$ (c) $\begin{array}{r} 1.6 \\ \times 10 \\ \hline \end{array}$ (d) $\begin{array}{r} 27.3 \\ \times 10 \\ \hline \end{array}$ (e) $\begin{array}{r} 31.8 \\ \times 10 \\ \hline \end{array}$ (f) $\begin{array}{r} 60.5 \\ \times 10 \\ \hline \end{array}$ (g) $\begin{array}{r} 86.9 \\ \times 10 \\ \hline \end{array}$

Look at this example:

$$\begin{array}{r} 34.2 \\ \times 10 \\ \hline 342.0 \end{array}$$

When you multiply by 10:

the tenths become **units**

the units become **tens**

the tens become **hundreds**.

We can write

$$10 \times 34.2 = 342$$

This gives a quick way of multiplying by 10.

Move each digit **one place to the left**.

2 Use this quick way to multiply these by 10:

(a) 4.8

(b) 3.6

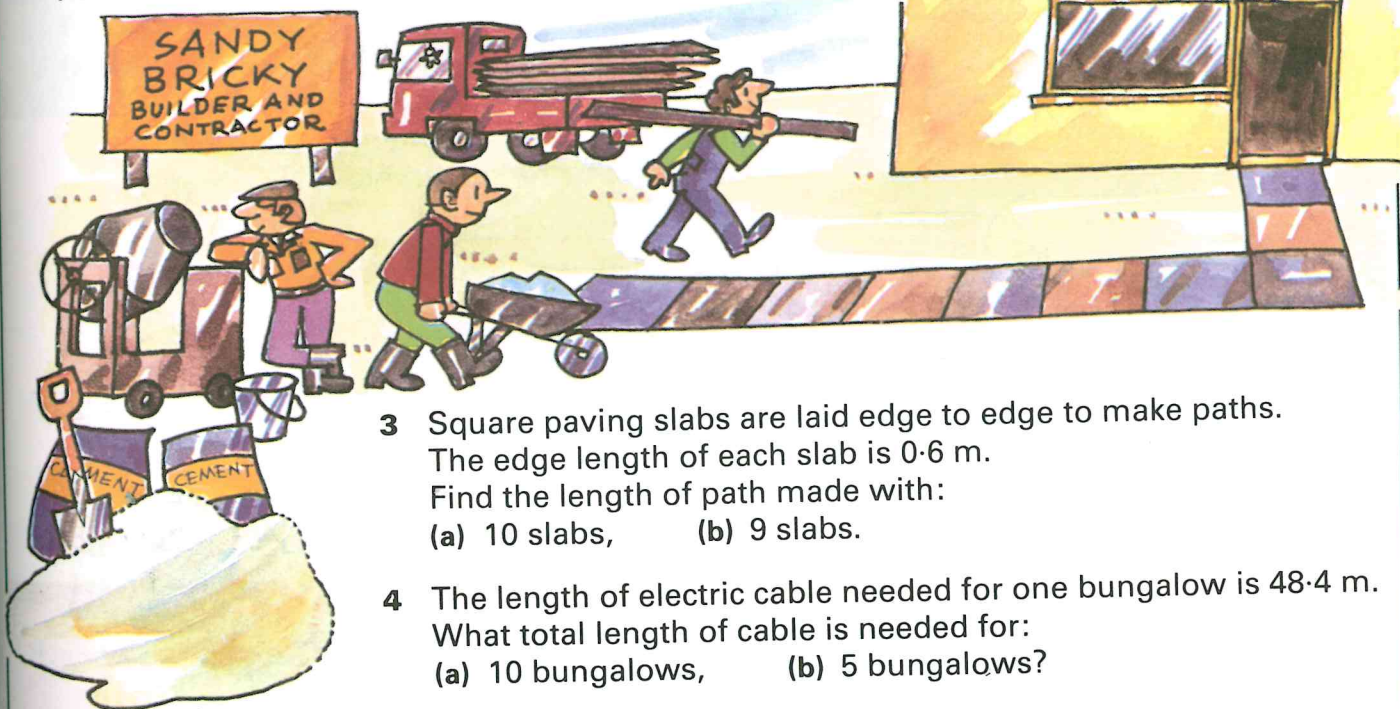
(c) 5.7

(d) 13.3

(e) 24.5

(f) 20.7

(g) 81.1



- 3 Square paving slabs are laid edge to edge to make paths. The edge length of each slab is 0.6 m. Find the length of path made with:
(a) 10 slabs, (b) 9 slabs.

- 4 The length of electric cable needed for one bungalow is 48.4 m. What total length of cable is needed for:
(a) 10 bungalows, (b) 5 bungalows?

- 5 A batch of cement is made from 6.3 kg of sand and 1.8 kg of cement. What is the total weight of ten of these batches?

- 6 A bedroom floor in one house requires eight 5.3 m boards, six 4.9 m boards, and seven 3.6 m boards. What total length of board is needed for:
(a) 1 floor, (b) 10 floors?

