

Answers to Practice Exercises for Chapter 6 – Mixing Up the Four Rules - BODMAS

Set A – Question 3

- a. By adding up the addition in the bracket:

$$\begin{aligned} & (10 + 4) \times 7 \\ = & 14 \times 7 \\ = & 98 \end{aligned}$$

By distributing the multiplication across the addition:

$$\begin{aligned} & (10 + 4) \times 7 \\ = & 10 \times 7 + 4 \times 7 \\ = & 70 + 28 \\ = & 98 \end{aligned}$$

- b. By adding up the addition in the bracket

$$\begin{aligned} & (100 + 20 + 2) \times 2 \\ = & 122 \times 2 \\ = & 244 \end{aligned}$$

By distributing the multiplication across the addition:

$$\begin{aligned} & (100 + 20 + 2) \times 2 \\ = & 100 \times 2 + 20 \times 2 + 2 \times 2 \\ = & 200 + 40 + 4 \\ = & 244 \end{aligned}$$