

## Order of Operations – ANSWERS

$$\begin{aligned} \text{a)} \quad & 2 + 3 \times 5 - 6 \\ & = 2 + 15 - 6 \\ & = 11 \end{aligned}$$

$$\begin{aligned} \text{b)} \quad & (2 + 3) \times 5 - 6 \\ & = 5 \times 5 - 6 = 25 - 6 \\ & = 19 \end{aligned}$$

$$\begin{aligned} \text{c)} \quad & 2 + 3 \times (5 - 6) \\ & = 2 + 3 \times -1 \\ & = 2 + -3 = -1 \end{aligned}$$

$$\begin{aligned} \text{d)} \quad & (2 + 3) \times (5 - 6) \\ & = 5 \times -1 \\ & = -5 \end{aligned}$$

$$\begin{aligned} \text{e)} \quad & 2 + 5 \times 10 - 2 \\ & = 2 + 50 - 2 \\ & = 50 \end{aligned}$$

$$\begin{aligned} \text{f)} \quad & (2 + 5) \times 10 - 2 \\ & = 7 \times 10 - 2 \\ & = 70 - 2 \\ & = 68 \end{aligned}$$

$$\begin{aligned} \text{g)} \quad & 2 + 5 \times (10 - 2) \\ & = 2 + 5 \times 8 \\ & = 2 + 40 \\ & = 42 \end{aligned}$$

$$\begin{aligned} \text{h)} \quad & (2 + 5) \times (10 - 2) \\ & = 7 \times 8 \\ & = 56 \end{aligned}$$

$$\begin{aligned} \text{i)} \quad & 3 \times 4 + 8 \div 2 \\ & = 12 + 4 \\ & = 16 \end{aligned}$$

$$\begin{aligned} \text{j)} \quad & 3 \times (4 + 8) \div 2 \\ & = 3 \times 12 \div 2 \\ & = 18 \end{aligned}$$

$$\begin{aligned} \text{k)} \quad & (3 \times 4 + 8) \div 2 \\ & = (12 + 8) \div 2 \\ & = 20 \div 2 \\ & = 10 \end{aligned}$$

$$\begin{aligned} \text{l)} \quad & 3 \times (4 + 8 \div 2) \\ & = 3 \times (4 + 4) \\ & = 3 \times 8 \\ & = 24 \end{aligned}$$

$$\begin{aligned} \text{m)} \quad & (120 \div 2 + 2) \times 2 \\ & = (60 + 2) \times 2 \\ & = 62 \times 2 = 124 \end{aligned}$$

$$\begin{aligned} \text{n)} \quad & 120 \div (2 + 2 \times 2) \\ & = 120 \div (2 + 4) \\ & = 120 \div 6 = 20 \end{aligned}$$

$$\begin{aligned} \text{o)} \quad & 120 \div ([2 + 2] \times 2) \\ & = 120 \div (4 \times 2) \\ & = 120 \div 8 = 15 \end{aligned}$$