

Numbers Book Answers

12 BIDMAS

1. a) $4 \times 3 + 2 = 12 + 2 = 14$

b) $20 - 12 \div 4 = 20 - 3 = 17$

c) $(18 \div 3) + (20 \div 5)$
 $= 6 + 4 = 10$

d) $(3+5)^2 = 8^2 = 64$

2. i) $3 \times 3 - 5 = 9 - 5 = 4$

ii) $20 \div (12 - 2) = 20 \div 10 = 2$

iii) $7 + 8 \div 4 = 7 + 2 = 9$

3. a) pot

$$20 - 5 \times 3 = 20 - 15 = 5$$

b) $(12 + 9) \div 3 = 21 \div 3 = 7$

4. $4 \times 40 + 20 = 180$

$$4 \times 20 + 100 = 180$$

$$4 \times 50 - 20 = 180$$

5. i) $(5 - 3) \times 12 \div 4 = 6$

ii) $6 \times (4 + 3)^2 - 5 = 289$

6. a) $2 \times 10 = 20$

b) $3 \times 5 + 4 = 15 + 4 = 19$

c) $20 - 5 \times 3 = 20 - 15 = 5$

7. a) $(4 + 5) \times 2 + 3$

$$= 9 \times 2 + 3$$

$$= 18 + 3 = 21$$

b) i) $4 + 5 \times (2 + 3) = 29$

ii) $(4 + 5) \times (2 + 3) = 45$

8. a) $(2 + 3) \times 4 + 5$

$$= 5 \times 4 + 5$$

$$= 20 + 5 = 25$$

b) i) $(2 + 3) \times (4 + 5) = 45$

ii) $2 + 3 \times (6 + 5) = 35$

9. $12 + 4 \times 10 = 12 + 40$
 $= 52$

$$10. \text{ i) } 9 + (2 \times 6) - 3 = 18$$

$$\text{ ii) } 9 + 2 \times (6 - 3) = 15$$

$$11. \quad 15 - 3 \times 2 = 15 - 6 = 9$$

$$12. \quad 4 + 3 \times 5 - 1 = 18$$

$$\begin{aligned} 13. \quad 5 + 3 \times 2^2 &= 5 + 3 \times 4 \\ &= 5 + 12 \\ &= 17 \end{aligned}$$

$$\begin{aligned} 14. \quad &12 + 4 \times 10 \\ &= 12 + 40 \\ &= 52 \end{aligned}$$