

كتاب الطالب : درس اولويات العمليات

1 $120 \div (10 - (7 - 2))$

$$120 \div (10 - 5) = 120 \div 5 = 60$$

2 $200 \times (25 - (20 - 5))$

$$200 \times (25 - 15) = 200 \times 10 = 2000$$

3 $6(-2)^3 + 10$

$$= 6 \times -8 + 10 = -48 + 10 = -38$$

4 $4(7-1)^2 - 34$

$$4(6)^2 - 34 = 4 \times 36 - 34 = 144 - 34 = 110$$

5 $128 \div ((-2)^2)^3 + (10-6)$

$$= 128 \div (-2)^6 + 4 = 128 \div 64 + 4 = 2 + 4 = 6$$

6 $625 \div (5)^3 + (4+2)$

$$= 625 \div 125 + 6 = 5 + 6 = 11$$

7 $\frac{60 - 2 \times 6}{2^5 - 4^2} = \frac{60 - 12}{32 - 16}$

$$= \frac{48}{16} = 3$$

$$8 \quad \frac{50 - 6 \times 3}{20 - 6^2} = \frac{50 - 18}{20 - 36}$$

$$= \frac{32}{-16}$$

$$= -2$$

$$4 \quad 160 \div (25 - (7 - 2))$$

$$160 \div (25 - 5)$$

$$160 \div 20$$

$$= 8$$

$$6 \quad 5(-3)^2 + 10$$

$$5 \times (-3)^2 + 10$$

$$5 \times 9 + 10$$

$$45 + 10$$

$$55$$

$$5 \quad 60 \times (10 - (4 + 3))$$

أتحقق من فهمي: ✓

$$60 \times (10 - 7)$$

$$60 \times 3$$

$$180$$

$$7 \quad 8(1 - 5)^2 - 7$$

$$8 \times (1 - 5)^2 - 7$$

$$8 \times (-4)^2 - 7$$

$$8 \times 16 - 7$$

$$128 - 7$$

$$= 121$$

5 $243 \div (3^2)^2 \times (5-8)$

$$243 \div (9)^2 \times (-3)$$

$$243 \div 81 \times (-3)$$

$$3 \times (-3)$$

$$-9$$

6 $256 \div (2^3)^2 \times (2-7)$

أتحقّق من فهمي: ✓

$$256 \div (8)^2 \times (-5)$$

$$256 \div 64 \times (-5)$$

$$4 \times (-5)$$

$$-20$$

7 $\frac{(-4)^5}{(-4)^3} \times 3 - 40$

$$(-4)^2 \times 3 - 40$$

$$16 \times 3 - 40$$

$$48 - 40$$

$$8$$

8 $\frac{(6)^7}{(6)^5} \div 3 - 10$

$$6^2 \div 3 - 10$$

$$36 \div 3 - 10$$

$$12 - 10$$

$$2$$