

Maths ch-1 worksheet

1) c) $(-11) \times (-7)$

2) a) -57

3) b) 1

4) d) $(-8) \times (-3) - (-8) \times (-4)$

5) c) $-25 \times 6 \times 4$

6) c) $(-9) \times (-5) \times (-6) \times 3$

7) d) $(-32) \div 9$

8) b) $(-1) \times (-1) \times (-1)$

9) c) $(-6, 1)$

10) a) $(-1, -2)$

$$\textcircled{11} \text{ i) } 427 (8+2)$$

$$\Rightarrow 427 \times 10 = 4270$$

$$\text{ii) } 394 (12+(-2))$$

$$\Rightarrow 394 (12-2)$$

$$\Rightarrow 394 \times 10 = 3940$$

$$\textcircled{12} \text{ i) } 37 \times \{8 + (-3)\} = 37 \times 8 + 37 \times (-3)$$

$$\Rightarrow 37 \times \{8 - 3\} = 37 \times 8 + 37 \times (-3)$$

$$\Rightarrow 37 \times 5 = 37 \times 8 + 37 \times (-3)$$

$$\Rightarrow 185 = 37 (8 - 3)$$

$$\Rightarrow 185 = 37 \times 5$$

$$\Rightarrow \boxed{185 = 185}$$

$$\textcircled{11} \text{ ii) } -82 \times \{-4 + 19\} = -82 \times -4 - 82 \times 19$$

$$\Rightarrow -82 \times 15 = -82 (-4 - 19)$$

$$\Rightarrow -82 \times 15 = -82 \times 15$$

$$\Rightarrow \boxed{-1230 = -1230}$$

(13) i) The sign will be negative.

ii) The sign will be positive.

iii) The sign will be negative.

iv) The sign will be positive.

(14) i) $42 \div 7 + 4$

$\Rightarrow 6 + 4 = 10$

ii) $12 + 18 \div 3$

$\Rightarrow 12 + 6 = 18$

iii) ~~$19 - 5$~~ $19 - 20 \div 4$

$\Rightarrow 19 - 5 = 14$

iv) $16 - 15 + 4$

$\Rightarrow 1 + 4 = 5$

(15) $\Rightarrow 45 - [38 - \{60 \div 3 - (6 - 3) \div 3\}]$

$\Rightarrow 45 - [38 - \{60 \div 3 - 3 \div 3\}]$

$\Rightarrow 45 - [38 - \{20 - 3 \div 3\}]$

$\Rightarrow 45 - [38 - \{20 - 1\}]$

$\Rightarrow 45 - [38 - \{19\}]$

$\Rightarrow 45 - [38 - 19]$

$\Rightarrow 45 - 19 = 26$

16) A) $88 - \{5 - (-48) \div (-16)\}$

$\Rightarrow 88 - \{5 + 48 \div (-16)\}$

$\Rightarrow 88 - \{5 + (-3)\}$

$\Rightarrow 88 - \{5 - 3\}$

$\Rightarrow 88 - 2$

$\Rightarrow 86$

17) A) ~~$(-13) + (-17)$~~

$\Rightarrow (-13 + (-17)) + (-187 \div 11)$

$\Rightarrow (-13 - 17) + (-187 \div 11)$

$\Rightarrow -30 + (-17)$

~~$\Rightarrow -30 - 17 = -47$~~

$\Rightarrow -47$