

Fully-Worked Solutions

PRACTICE 1

Section A

1 Answer: C

$$2 \quad \frac{-5 - 6 + 23}{3} = \frac{12}{3} \\ = 4$$

Answer: B

3 $13 - 16 + 29 = 26$

Answer: A

$$4 \quad \frac{2}{5} \times \frac{5}{8} \times 240 = 60$$

Answer: C

$$5 \quad 5.6 + 3.2 \times 0.5 = 5.6 + 1.6 \\ = 7.2$$

Answer: D

$$6 \quad 100 - (3 \times 12.60 + 5 \times 8.20) \\ = 100 - 78.8 \\ = 21.20$$

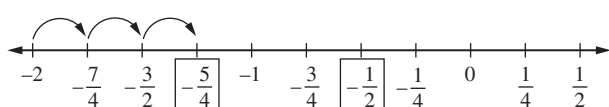
Answer: C

7 Answer: D

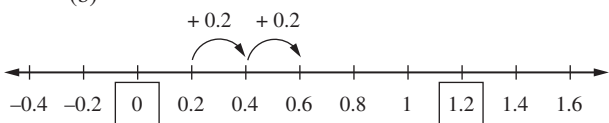
Section B

1 (a)

$$+ \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$



(b)



$$2 \quad (a) \quad -6 + 16 \div 2 - 3 = -1 \quad [X]$$

$$(b) \quad 2 \frac{3}{4} + 1 \frac{1}{6} \times \frac{4}{7} = 3 \frac{5}{12} \quad [\checkmark]$$

$$(c) \quad -4.6 \times 2.5 + 1.6 \div (-0.8) = -13.5 \quad [\checkmark]$$

$$(d) \quad -\frac{1}{5} + (3.8 - 2.4) \times 1 \frac{2}{5} = 1.76 \quad [X]$$

- 3 (a) Identity law
(b) Commutative law
(c) Distributive law
(d) Associative law

- 4 (a) $-1 + (-3) + 5 = 1$
(b) $-3 + 7 - 5 = -1$

Section C

1 (a) $14 - (-11) = 25$

(b) (i) $-6, -3, -1, 0, 1, 4, 5, 7, 9$

(ii) $2\frac{2}{3}, 1, \frac{3}{4}, \frac{1}{2}, -\frac{2}{5}, -1, -1.8, -2.5$

(c) Team A:

$$5 \times 8 - 3 \times 2 = 34$$

Team B:

$$5 \times 10 - 3 \times 6 = 32$$

$$\text{Difference} = 34 - 32 = 2$$

2 (a) (i) $32 + 19 - 26 = 25$

(ii) $-65 - 38 - 49 = -152$

$$(b) \quad \left(1 - \frac{2}{5} - \frac{1}{3}\right) \times 3 \text{ 600}$$

$$= \frac{4}{15} \times 3 \text{ 600}$$

$$= \text{RM}960$$

(c) $20 - (2 \times 1.20 + 4 \times 1.50)$

$$= 20 - 8.4$$

$$= \text{RM}11.60$$

3 (a) (i) -15

(ii) 25 000

(b) (i) $(68 + 32) - 84$

$$= 100 - 84$$

$$= 16$$

(ii) $12 \times (400 - 1)$

$$= 12 \times 400 - 1 \times 12$$

$$= 4 \text{ 800} - 12$$

$$= 4 \text{ 788}$$

$$(c) \quad (i) \quad \frac{4}{7} - \frac{3}{5} \times \left(-\frac{10}{21}\right)$$

$$= \frac{4}{7} + \frac{2}{7}$$

$$= \frac{6}{7}$$

(ii) $1.8 + \frac{5}{6} \times (4.9 - 1.3)$

$$= 1.8 + \frac{5}{6} \times 3.6$$

$$= 1.8 + 3$$

$$= 4.8$$