Jawapan

Praktis 1

Praktis Formatif

1 A Salah/*Wrong*
B Salah/*Wrong*
C Betul/*Correct*
D Salah/*Wrong*
Jawapan/*Answer*: **C**

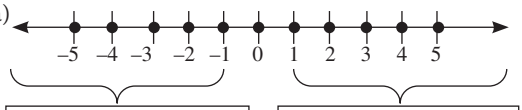
2 (a) $+2.8, 4.35, \frac{7}{12}, 9$

(b) $-6, -12, -0.07, -\frac{5}{8}$

3 (a) −3 (b) 2.40 (c) 1.1 (d) −150

4 −19, −7, −1, 0, 3, 12, 8

5 (a)

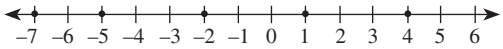


(i) Nombor bulat negatif *Negative whole numbers*	(ii) Nombor bulat positif *Positive whole numbers*

(b) Integer ialah nombor bulat positif, nombor bulat negatif dan sifar.
Integers are positive whole numbers, negative whole numbers and zero.

6 (a) 0 m (b) −850 m (c) 200 m

7 (a)

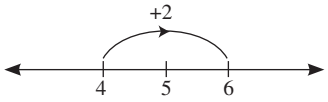


(b) −2 adalah lebih besar daripada −7 atau −7 adalah kurang daripada −2.
−2 is greater than −7 or −7 is less than −2.

(c) −7, −5, −2, 1, 4

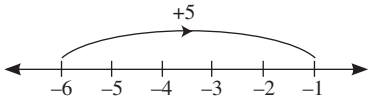
8 −2 − (+4) = −6
Jawapan/*Answer*: **C**

9 (a)



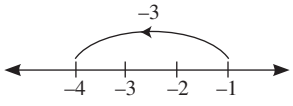
4 + (+2) = 6

(b)



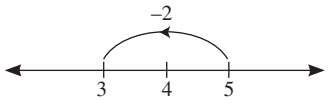
−6 + (+5) = −1

(c)



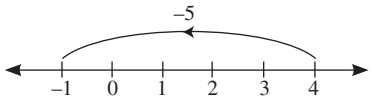
−1 + (−3) = −4

(d)



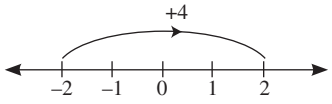
5 + (−2) = 3

10 (a)



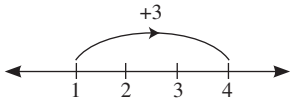
4 − (+5) = − 1

(b)



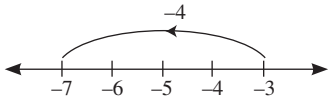
−2 − (−4) = 2

(c)



1 − (−3) = 4

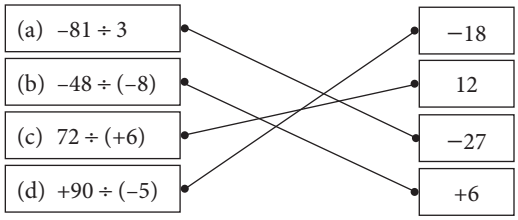
(d)



−3 − (+4) = −7

11 (a) (+4) × 8 = 32
(b) (+6) × (−5) = −30
(c) (−9) × (−2) = 18
(d) (−7) × (−3) = 21

12



13 (a) −27 + (−5) × (−8)
= − 27 + 40
= 13

(b) 13 × (−3) + (−42) ÷ (−6)
= −39 + 7
= − 32

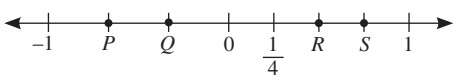
14 (a) (i) 284 + 59 + 16 = (284 + 16) + 59
= 300 + 59
= 359

(ii) 9 × 608 = 9 × (600 + 8)
= 9 × 600 + 9 × 8
= 5 400 + 72
= 5 472

(b) (i) Hukum Kalis Sekutuan
Associative Law
(ii) Hukum Kalis Agihan
Distributive Law

15 Ketinggian di atas aras laut
Height above sea level
= 726 − 25 + 39 − 54
= 686 m

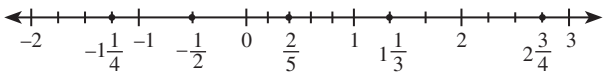
16



$P = -\frac{2}{3}$, $Q = -\frac{1}{3}$, $R = \frac{1}{2}$, $S = \frac{3}{4}$

Jawapan/*Answer*: **C**

17



$-1\frac{1}{4}, -\frac{1}{2}, \frac{2}{5}, 1\frac{1}{3}, 2\frac{3}{4}$

18 (a) $3 + \left(-2\frac{2}{3}\right) - \frac{1}{3}$

$= 3 - \frac{16}{7} - \frac{1}{3}$

$= \frac{63 - 48 - 7}{21}$

$= \frac{8}{21}$

(b) $\left(\frac{1}{6} - \frac{1}{7}\right) \times 1\frac{2}{5}$

$= \frac{7 - 6}{42} \times \frac{7}{5}$

$= \frac{1}{42} \times \frac{7}{5}$

$= \frac{1}{6} \times \frac{1}{5}$

$= \frac{1}{30}$

(c) $\frac{9}{10} - 1\frac{7}{8} \div \left(-1\frac{1}{4}\right)$

$= \frac{9}{10} - \frac{15}{8} \div \left(-\frac{5}{4}\right)$

$= \frac{9}{10} + \frac{15}{8} \times \frac{4}{5}$

$= \frac{9}{10} + \frac{3}{2}$

$= \frac{9 + 15}{10}$

$= \frac{24}{10}$

$= \frac{12}{5}$

$= 2\frac{2}{5}$

19 (a) $\frac{1}{2} - \left(-\frac{1}{6}\right) \div \frac{1}{12}$

$= \frac{1}{2} + \frac{1}{6} \times 12$

$= \frac{1}{2} + 2$

$= 2\frac{1}{2}$

(b) $-\frac{10}{21} \times \left(-3\frac{1}{2}\right) + \left(-\frac{5}{9}\right)$

$= -\frac{10}{21} \times \left(-\frac{7}{2}\right) - \frac{5}{9}$

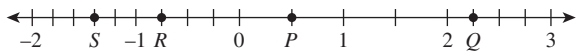
$= \frac{5}{3} - \frac{5}{9}$

$= \frac{15 - 5}{9}$

$= \frac{10}{9}$

$= 1\frac{1}{9}$

20



$P = 0.5$, $Q = 2.25$, $R = -0.75$, $S = -1.4$

Jawapan/*Answer*: **C**

21 −6.1, −4.73, −2.94, −0.1, 2.36

22 I: 18.11 − (−5.9) − (+20.3)
= 18.11 + 5.9 − 20.3
= 3.71

II: (−13.8) + (−10.65) − (−1.08)
= −13.8 − 10.65 + 1.08
= −23.37

III: 6.1 × (−3.7) − (−4.19)
= −22.57 + 4.19
= −18.38

IV: (−8.73) + (−10.38) ÷ 0.6
= −8.73 − 10.38 ÷ 0.6
= −8.73 − 17.3
= −26.03

23 $4.12 = \frac{103}{25}$

$1.333 \ldots = \frac{4}{3}$

$1\frac{2}{9} = \frac{11}{9}$

Jawapan/*Answer*: **B**

24 $\frac{2}{3} \times (-2.04) + (-7) \div \left(-\frac{5}{19}\right) = -\frac{2}{3} \times 2.04 + 7 \times \frac{19}{5}$

$= -1.36 + 26.6$

$= 25.24$

25 $\frac{5}{12} + \left(8 - 3\frac{3}{4}\right) \times \left(-1\frac{1}{3}\right) = \frac{5}{12} + \left(8 - \frac{15}{4}\right) \times \left(-\frac{4}{3}\right)$

$= \frac{5}{12} + \frac{17}{4} \times \left(-\frac{4}{3}\right)$

$= \frac{5}{12} - \frac{17}{4} \times \frac{4}{3}$

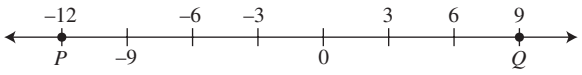
$= \frac{5}{12} - \frac{17}{3}$

$$= \frac{5 - 68}{12}$$
$$= -\frac{63}{12}$$
$$= -\frac{21}{4}$$
$$= -5\frac{1}{4}$$

Praktis Sumatif

1 −9, −8, −5, −4, −1
Jawapan/*Answer*: **B**

2



$P = -12$, $Q = 9$
Jawapan/*Answer*: **D**

3 A: $(-2) + (-6) = -2 - 6 = -8$
B: $(-6) - (-10) = -6 + 10 = 4$
C: $(+3) - (-3) = 3 + 3 = 6$
D: $(+1) + (-5) = 1 - 5 = -4$
Jawapan/*Answer*: **C**

4 $\dfrac{p-q}{r} = \dfrac{1\frac{1}{4} - \left(-1\frac{1}{5}\right)}{5\frac{1}{4}}$

$$= \frac{\frac{5}{4} + \frac{6}{5}}{\frac{21}{4}}$$
$$= \left(\frac{5}{4} + \frac{6}{5}\right) \div \frac{21}{4}$$
$$= \left(\frac{25 + 24}{20}\right) \times \frac{4}{21}$$
$$= \frac{49}{20} \times \frac{4}{21}$$
$$= \frac{7}{5} \times \frac{1}{3} = \frac{7}{15}$$

Jawapan/*Answer*: **A**

5 $\dfrac{3 - (-9)}{-9 + (-6)} = \dfrac{3 + 9}{-9 - 6}$

$$= \frac{12}{-15}$$
$$= -\frac{4}{5}$$

Jawapan/*Answer*: **D**

6 $a = 8$
$b = 2a$
$= 2 \times 8$
$= 16$
$c = b - 13$
$= 16 - 13$
$= 3$
$(a + b) \div c = (8 + 16) \div 3$
$= 24 \div 3$
$= 8$

7 $16 - (-1.2) \div \dfrac{2}{3}$

$= 16 + 1.2 \times \dfrac{3}{2}$
$= 16 + 1.8$
$= 17.8$

8 $1 - \dfrac{10}{11} \times \left(\dfrac{5}{6} - 0.8\right)$

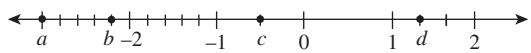
$= 1 - \dfrac{10}{11} \times \left(\dfrac{5}{6} - \dfrac{4}{5}\right)$
$= 1 - \dfrac{10}{11} \times \dfrac{25 - 24}{30}$
$= 1 - \dfrac{10}{11} \times \dfrac{1}{30}$
$= 1 - \dfrac{1}{33}$
$= \dfrac{32}{33}$

9 (a) $60 \times 10.8 \times 5 = (60 \times 5) \times 10.8$ ..... (I)
$= 300 \times (10 \times 0.8)$
$= 300 \times 10 + 300 \times 0.8$ ..... (II)
$= 3\,000 + 240$
$= 3\,240$

(b) Langkah/*Step* I: Hukum Kalis Sekutuan
Associative Law
Langkah/*Step* II: Hukum Kalis Agihan
Distributive Law

10 $72.4 \times 6 + 6 \times 35.7 - 6 \times 8.1$
$= 6 \times 72.4 + 6 \times 35.7 - 6 \times 8.1$
$= 6 \times (72.4 + 35.7 - 8.1)$
$= 6 \times 100$
$= 600$

11 (a)



$a = -3$, $b = -2.2$, $c = -\dfrac{1}{2}$, $d = 1\dfrac{1}{3}$

(b) $\dfrac{c+d}{a-b} = \dfrac{-\frac{1}{2} + \frac{4}{3}}{-3 - (-2.2)}$

$$= \frac{\frac{-3 + 8}{6}}{-3 + 2.2}$$
$$= \frac{\frac{5}{6}}{-0.8}$$
$$= \frac{\frac{5}{6}}{-\frac{4}{5}}$$
$$= -\frac{5}{6} \times \frac{5}{4}$$
$$= -\frac{25}{24}$$
$$= -1\frac{1}{24}$$

12 $\frac{7}{8} \div \left(-1\frac{5}{12}\right) \times \left(-\frac{2}{7}\right) = \frac{7}{8} \div \left(-\frac{17}{12}\right) \times \left(-\frac{2}{7}\right)$

$= \frac{7}{8} \times \left(-\frac{12}{17}\right) \times \left(-\frac{2}{7}\right)$

$= \frac{7}{8} \times \frac{12}{17} \times \frac{2}{7}$

$= \frac{3}{17}$

13 (a) $-3.7 - (-14.9) = -3.7 + 14.9$

$= 11.2$

(b) $\frac{-3.7 - (-14.9)}{-1.6} = \frac{11.2}{-1.6}$

$= -7$

14 (a) $2\frac{1}{4} \times 3 + (-80.4) \div (-4.8) = \frac{9}{4} \times 3 + 80.4 \div 4.8$

$= 6.75 + 16.75$

$= 23.5$

(b) $1\frac{1}{6} - \frac{13}{24} \div 9\frac{3}{4} - \left(-\frac{2}{9}\right)$

$= \frac{7}{6} - \frac{13}{24} \div \frac{39}{4} + \frac{2}{9}$

$= \frac{7}{6} - \frac{13}{24} \times \frac{4}{39} + \frac{2}{9}$

$= \frac{7}{6} - \frac{1}{18} + \frac{2}{9}$

$= \frac{21 - 1 + 4}{18}$

$= \frac{24}{18}$

$= \frac{4}{3}$

15