INTENSIF ASAS

TINGKATAN 1

MATEMATIK

BAB	TOPIK
1	**NOMBOR & NISBAH** Bahagian 1 Bahagian 2
2	**POLA & URUTAN** Bahagian 1 Bahagian 2
3	**KUASA DUA,PUNCA KUASA DUA,KUASA TIGA,PUNCA KUASA TIGA** Bahagian 1 Bahagian 2

Professional Maths Centre™

MATHS CATCH

Dwibahasa

LEBIH DARI **212 SOALAN** TERPILIH BERTARAF PEPERIKSAAN DAN BERKUALITI TINGGI DAN SANGAT SESUAI UNTUK KEGUNAAN PELAJAR TINGKATAN 1 SEBAGAI LATIHAN ASAS SEMPENA CUTI SEKOLAH

Anda Ibu Bapa Atau Guru?

DAPATKAN SEKARANG

1. Lebih 50 Live Video **CARA BANTU ANAK** Kuasai Matematik
2. Lebih **30 EBOOK SOALAN** Latihan Matematik Tahun 1 – Tingkatan 5
3. Koleksi Soalan Peperiksaan **PERCUBAAN** yang lepas-lepas
4. Percuma Soalan Peperiksaan **AKHIR TAHUN** Edisi Khas
5. **CADANGAN TAJUK** dan Soalan Pilihan menjelang peperiksaan
6. **'CASE STUDY'** bagaimana saya bantu ribuan pelajar saya melonjak dari **E NAIK KE A** dan lain-lain
7. Lebih dari **30 KAJIAN KES PETUA & STRATEGI** menguasai matematik yang dilakukan oleh MathsCatch Team

Bagi yang belum mendaftar emel.Cadangan saya daftar segera.Kerana lebih banyak info akan saya kirimkan melalui emel.Daftar Percuma disini

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BAB 1: NOMBOR NISBAH (RATIONAL NUMBER)

BAHAGIAN 1

1 Which of the following statements is **not** correct?
*Antara pernyataan berikut, yang manakah adalah **tidak** betul?*

A $2 < 5$ **C** $-2 > -1$
B $1 > -1$ **D** $-11 > -15$

2 Which of the following integers are arranged in ascending order?
Antara integer-integer berikut, yang manakah disusun dalam tertib menaik?

A 2, –3, –13, –2, –7, –17, 5, –10
B 76, 72, 68, 67, 62, 58, 55, 50
C 33, 36, 40, 44, 49, 52, 54, 56
D 33, 27, 14, 32, 22, 12, 36, 19

3 Which of the following integers are arranged in ascending order?
Antara integer-integer berikut, yang manakah disusun dalam tertib menaik?

A –7, –11, –13, –17, –22, –25, –30, –34
B –13, –18, –27, –14, –22, –28, –11, –23
C 54, 46, 38, 50, 42, 35, 59, 40
D –36, –35, –32, –30, –26, –23, –22, –20

4 Which of the following statements is **not** correct?
*Antara pernyataan berikut, yang manakah adalah **tidak** betul?*

A $2 < 7$ **C** $-1 > -2$
B $5 < -5$ **D** $-13 > -18$

5 Arrange the integers 10, –3, –18, 15, –1 and 0 in descending order.
Susun integer 10, –3, –18, 15, –1, *dan* 0 *dalam tertib menurun.*

A –18, –3, –1, 0, 10, 15
B 15, 10, 0, –1, –3, –18
C –1, –3, –18, 0, 10, 15
D 15, 10, 0, –18, –3, –1

6 Which of the following integers are arranged in ascending order?
Antara integer-integer berikut, yang manakah disusun dalam tertib menaik?

A –7, –4, –2, 2, –9, 6, 5, –1
B 29, 31, 33, 34, 38, 39, 40, 43
C 24, 23, 20, 18, 14, 12, 10, 9
D 43, 45, 49, 56, 38, 65, 60, 51

7 Which of the following integers are arranged in ascending order?
Antara integer-integer berikut, yang manakah disusun dalam tertib menaik?

A –49, –48, –46, –41, –37, –34, –33, –32
B 50, 55, 58, 66, 47, 74, 71, 62
C 3, 7, 12, 18, 0, 24, 20, 16
D 28, 26, 24, 19, 16, 14, 11, 6

8 Arrange the integers –10, 6, –6, 10, –8 and 14 in ascending order.
Susun integer –10, 6, –6, 10, –8, *dan* 14 *dalam tertib menaik.*

A 14, 10, 6, –6, –8, –10
B –10, –8, –6, 6, 10, 14
C –6, –8, –10, 6, 10, 14
D 14, 10, 6, –10, –8, –6

9 Which of the following numbers is an integer?
Antara berikut, yang manakah ialah integer?

A $\frac{1}{5}$ **C** $5\frac{1}{6}$
B $\frac{5}{6}$ **D** 6

10 Arrange the integers 9, –8, 2, 20, –19 and 19 in descending order.
Susun integer 9, –8, 2, 20, –19, *dan* 19 *dalam tertib menurun.*

A 20, 19, 9, 2, –8, –19
B –19, –8, 2, 9, 19, 20
C –8, –19, 2, 9, 19, 20
D 20, 19, 9, 2, –19, –8

11 Arrange the integers –5, –2, 0, –6, –19 and –4 in ascending order.
Susun integer –5, –2, 0, –6, –19, *dan* –4 *dalam tertib menaik.*

A 0, –2, –4, –5, –6, –19
B –19, –6, –5, –4, –2, 0
C –2, –4, –5, –6, –19, 0
D 0, –19, –6, –5, –4, –2

12 Which set of integers is between –10 and –5?
Antara set-set integer berikut, yang manakah ialah antara –10 *dan* –5*?*

A –9, –8, –7, –6
B –10, –9, –8, –7, –6, –5
C –9, –8, –7, –6, –5
D –10, –9, –8, –7, –6

13 Arrange the integers 4, 3, 6, –11, –10 and –13 in ascending order.
Susun integer 4, 3, 6, –11, –10, *dan* –13 *dalam tertib menaik.*

A 6, 4, 3, –10, –11, –13
B –13, –11, –10, 3, 4, 6
C 6, 4, 3, –13, –11, –10
D –10, –11, –13, 3, 4, 6

14 How many integers are there between –6 and 1?
Berapakah integer di antara –6 *dan* 1*?*

A 5 **C** 7
B 6 **D** 8

15 Which of the following statements is **not** correct?
Antara pernyataan berikut, yang manakah adalah ***tidak*** *betul?*

A 4 > 2 **C** –5 < –4
B 5 > –5 **D** –20 > –11

16 Which of the following is the smallest integer?
Antara berikut, yang manakah merupakan integer yang paling kecil?

A 0 **C** –12
B 12 **D** –31

17 Which of the following statements is **not** correct?
Antara pernyataan berikut, yang manakah adalah ***tidak*** *betul?*

A 4 < 2 **C** –9 < –5
B 10 > –10 **D** –13 > –18

18 Given that +20 km represents a distance of 20 km to the east. –20 km will represent a distance of 20 km to the
Diberi +20 km *mewakili suatu jarak* 20 km *ke timur. Maka,* –20 km *mewakili suatu jarak* 20 km *ke*

A north *utara* **C** south *selatan*
B north-west *barat laut* **D** west *barat*

19 Which of the following integers are arranged in descending order?
Antara integer-integer berikut, yang manakah disusun dalam tertib menurun?

A 45, 62, 56, 59, 52, 47, 61, 66
B –30, –25, –24, –22, –19, –18, –15, –11
C –47, –28, –37, –34, –41, –46, –29, –25
D 64, 60, 55, 50, 47, 42, 38, 34

20 Which of the following is the smallest integer?
Antara berikut, yang manakah merupakan integer yang paling kecil?

A 0 **C** –31
B 31 **D** –9

21 Calculate 3 – 2 – (–3).
Hitung 3 – 2 – (–3).

A –2 **C** 4
B 2 **D** 8

22 Calculate 8 + (–2) – 8.
Hitung 8 + (–2) – 8.

A –2 **C** 14
B 2 **D** 18

23 Calculate 5 – (–9) + (–5).
Hitung 5 – (–9) + (–5).

A 19 **C** 1
B 9 **D** –9

24 $6 - \square = 44$
What number must be written in the $\square$ above?
Apakah nombor yang mesti ditulis dalam $\square$ *itu?*

A 50 **C** −38
B 38 **D** −50

25 Calculate −3 − 1 − (−1).
Hitung −3 − 1 − (−1).

A −4 **C** −1
B −3 **D** 0

26 The location of a submarine is 200 m below the sea level. It dives 70 m and then dives 140 m again. Where is the submarine located now?
Lokasi sebuah kapal selam ialah 200 m *di bawah paras laut. Kapal selam itu menyelam* 70 m *dan kemudiannya menyelam* 140 m *lagi. Apakah lokasi kapal selam itu sekarang?*

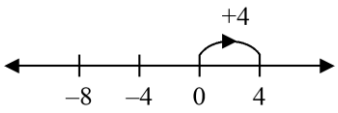
A 10 m at sea level
10 m *di paras laut*
B 10 m below sea level
10 m *di bawah paras laut*
C 410 m above sea level
410 m *di atas paras laut*
D 410 m below sea level
410 m *di bawah paras laut*

27 In an experiment, the initial temperature of a solution was −4°C. The temperature of the solution increased by 17°C when it is heated. When the solution was cooled, its temperature decreased by 8°C. Calculate the final temperature, in °C, of the solution.
Dalam suatu eksperimen, suhu awal suatu larutan ialah −4°C. *Suhu larutan itu menaik* 17°C *apabila dipanaskan. Apabila larutan disejukkan, suhunya menurun* 8°C. *Hitung suhu akhir, dalam* °C, *larutan itu.*

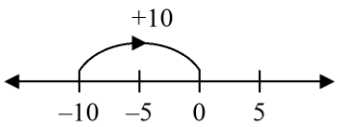
A −29 **C** 5
B −13 **D** 21

28 Which of the following number lines is **not** correct?
Antara garis-garis nombor berikut, yang manakah adalah ***tidak*** *betul?*

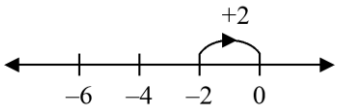
A



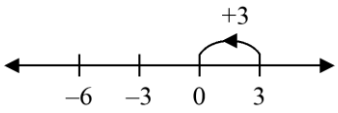
B



C



D



29 Calculate 10 + (−3) + (−3).
Hitung 10 + (−3) + (−3).

A 9 **C** 0
B 4 **D** −1

30 Calculate −9 − (−2) − 2.
Hitung −9 − (−2) − 2.

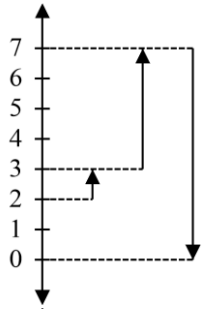
A −8 **C** −10
B −9 **D** −14

31 $-19 - \square = -57$
What number must be written in the $\square$ above?
Apakah nombor yang mesti ditulis dalam $\square$ *itu?*

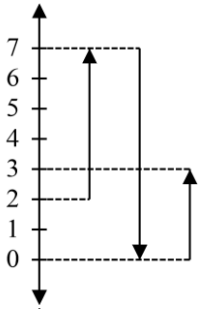
A 76 **C** −38
B 38 **D** −76

3 Nuraizah is at the second floor of a building.
2 She goes up 1 floor to buy a pair of shoes. After that, she goes up 4 floors to watch movie at a cinema and then goes down 7 floors to have dinner at a restaurant. Which of the following diagrams shows the correct movements of Nuraizah?
Nuraizah berada pada tingkat kedua di sebuah bangunan. Dia naik atas 1 tingkat untuk membeli sepasang kasut. Selepas itu, dia naik atas 4 tingkat untuk menonton wayang di sebuah pawagam dan turun bawah 7 tingkat kemudiannya untuk makan malam di sebuah restoran. Antara rajah-rajah berikut, yang manakah menunjukkan pergerakan Nuraizah dengan betul?

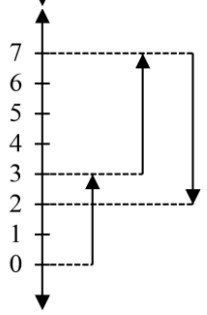
A



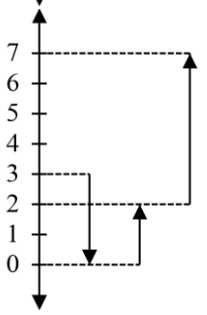
C



B



D



33 Diagram 1 shows a number line.
Rajah 1 menunjukkan satu garis nombor.

Diagram 1
Rajah 1

Which of the following represents the number line in the diagram correctly?
Antara berikut, yang manakah mewakili garis nombor dalam rajah dengan betul?

A (–1) + (+1) = 0
B (–1) + (–1) = –2
C (–1) – (–1) = 0
D –(–1) – (–1) = 2

34 Calculate –3 – 8 – (–2).
Hitung –3 – 8 – (–2).

A 7 **C** –9
B 3 **D** –13

35 –33 – ☐ = –63
What number must be written in the ☐ above?
Apakah nombor yang mesti ditulis dalam ☐ *itu?*

A 96 **C** –30
B 30 **D** –96

36 Diagram 2 shows a number line.
Rajah 2 menunjukkan satu garis nombor.

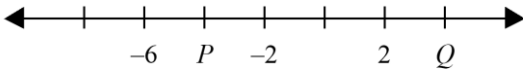


Diagram 2
Rajah 2

What is the value of $P + Q$?
Apakah nilai $P + Q$*?*

A –10 **C** –6
B –8 **D** 0

37 –33 – ☐ = –68
What number must be written in the ☐ above?
Apakah nombor yang mesti ditulis dalam ☐ *itu?*

A 101 **C** –35
B 35 **D** –101

38 Calculate 10 – 7 + 10.
Hitung 10 – 7 + 10.

A 27 **C** 7
B 13 **D** –7

39 The location of a submarine is 260 m below the sea level. It rises 120 m and then dives 130 m. Where is the submarine located now?
Lokasi sebuah kapal selam ialah 260 m *di bawah paras laut. Kapal selam itu menaik* 120 m *dan kemudiannya menyelam* 130 m. *Apakah lokasi kapal selam itu sekarang?*

A 270 m at sea level
270 m *di paras laut*
B 270 m below sea level
270 m *di bawah paras laut*
C 250 m above sea level
250 m *di atas paras laut*
D 250 m below sea level
250 m *di bawah paras laut*

40 Calculate 1 – (–4) – (–6).
Hitung 1 – (–4) – (–6).

A 11 **C** –1
B 3 **D** –9

41 $(-153) \div (-51) =$

A 5 **C** −3
B 3 **D** −5

42 Which of the following has the product of −5 544?
Antara berikut, yang manakah mempunyai hasil darab −5 544*?*

A $57 \times (-98)$ **C** $(-99) \times (-56)$
B $56 \times (-99)$ **D** $(-98) \times (-55)$

43 $(-12) \div 4 =$

A −8 **C** 3
B −3 **D** 8

44 Which of the following is **not** true?
Antara berikut, yang manakah adalah ***tidak*** *betul?*

A $(-7) \times (-2) = 14$
B $80 \div (-16) = (-5)$
C $9 \times (-6) = 54$
D $(-74) \div 74 = (-1)$

45 $4 \times (-3) \times (-8) \times (-5) =$

A −480 **C** 12
B −12 **D** 480

46 Which of the following has the product of 1 564?
Antara berikut, yang manakah mempunyai hasil darab 1 564*?*

A $(-22) \times 69$ **C** $(-67) \times (-22)$
B $(-23) \times 68$ **D** $(-68) \times (-23)$

47 $\dfrac{(-5) + (-7)}{(-5) - (-8)} =$

A 5 **C** −4
B 4 **D** −5

48 $\dfrac{81 \div (-9) + 8 \times (-9)}{12 \div (-4)} =$

A −27 **C** 3
B −3 **D** 27

49 $\dfrac{(-9) + (-7) - (-3)}{9 + (-5) + (-5)} =$

A 19 **C** −13
B 13 **D** −19

50 $\dfrac{(-4) + (-4) - (-3)}{7 + (-3) + (-5)} =$

A −11 **C** 5
B −5 **D** 11

51 Find the value of $\dfrac{(-8) \times (-11)}{(-2) + (-9)}$.
Cari nilai $\dfrac{(-8) \times (-11)}{(-2) + (-9)}$.

A −11 **C** 8
B −8 **D** 11

52 Evaluate $(-4) \times (-2) - (-81) \div (-9) =$
Menilai $(-4) \times (-2) - (-81) \div (-9) =$

A 9 **C** −1
B 1 **D** −9

53 $\dfrac{(-2) + (-8) - (-2)}{7 + (-2) + (-9)} =$

A 3 **C** −2
B 2 **D** −3

54 $\dfrac{(-8) + (-7) - (-7)}{8 + (-8) + (-2)} =$

A 11 **C** −4
B 4 **D** −11

55 $\dfrac{(-9) + (-7)}{(-8) - (-6)} =$

A −8 **C** 1
B −1 **D** 8

56 $\dfrac{2}{9} - \left(-\dfrac{5}{9}\right) - \left(-\dfrac{4}{5}\right) =$

A $1\dfrac{26}{45}$ **C** $-1\dfrac{26}{45}$
B $1\dfrac{2}{15}$ **D** $-1\dfrac{2}{15}$

57 $\left(-\frac{3}{7}\right) \div \left(-2\frac{1}{9}\right) =$

A $\frac{27}{133}$ **C** $-\frac{27}{133}$

B $-\frac{19}{21}$ **D** $\frac{19}{21}$

58 $\left(-\frac{1}{8}\right) \times \frac{1}{3} \div \left(-\frac{3}{5}\right) =$

A $-\frac{9}{40}$ **C** $\frac{9}{40}$

B $-\frac{5}{72}$ **D** $\frac{5}{72}$

59 $\left(-\frac{1}{2}\right) \times \left(-\frac{1}{8}\right) \times \left(-\frac{4}{9}\right) =$

A 9 **C** -9

B $-\frac{1}{36}$ **D** $\frac{1}{36}$

60 $\left(-\frac{4}{9}\right) + \frac{3}{7} + \left(-\frac{3}{4}\right) =$

A $\frac{31}{252}$ **C** $-\frac{31}{252}$

B $-\frac{193}{252}$ **D** $\frac{193}{252}$

61 $\left(-\frac{5}{6}\right) \times \left(-\frac{3}{7}\right) \times \left(-\frac{5}{6}\right) =$

A $2\frac{1}{3}$ **C** $-2\frac{1}{3}$

B $-\frac{25}{84}$ **D** $\frac{25}{84}$

62 $\left(-\frac{2}{9}\right) + \frac{1}{2} + \left(-\frac{2}{5}\right) =$

A $\frac{29}{90}$ **C** $-\frac{29}{90}$

B $-\frac{11}{90}$ **D** $\frac{11}{90}$

63 $\left(-\frac{4}{7}\right) - \left(-\frac{3}{4}\right) =$

A $1\frac{9}{28}$ **C** $-1\frac{9}{28}$

B $-\frac{5}{28}$ **D** $\frac{5}{28}$

64 $\left(-\frac{1}{8}\right) \times \left(-\frac{2}{7}\right) \times \left(-\frac{7}{8}\right) =$

A $-\frac{1}{32}$ **C** $\frac{1}{2}$

B $\frac{1}{32}$ **D** $-\frac{1}{2}$

65 $\frac{1}{6} - \left(-\frac{7}{9}\right) - \left(-\frac{4}{5}\right) =$

A $-1\frac{67}{90}$ **C** $1\frac{37}{90}$

B $1\frac{67}{90}$ **D** $-1\frac{37}{90}$

66 Diagram 3 shows a number line.
Rajah 3 menunjukkan satu garis nombor.

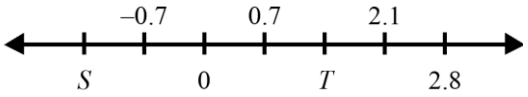


Diagram 3
Rajah 3

Calculate the value of $2S + \frac{T}{2}$.

Hitung nilai $2S + \frac{T}{2}$.

A –5.6 **C** 2.1

B –2.1 **D** 5.6

67 $(-4.2) \times (-5.2) \times (-3.1) =$

A 67.704 **C** –12.5

B 12.5 **D** –67.704

68 $11.7 \div (-2.6) \div (-0.3) =$

A 19 **C** 16

B 17 **D** 15

69 $-7.2 + 9(-0.7) + 4.3 =$

A 9.2 **C** –3.4

B 3.4 **D** –9.2

70 $\frac{-2.9 - (-0.3)}{3 + (-0.4)} =$

A –1.23 **C** –0.94
B –1 **D** –0.76

71 –3.7 – 5.21 + (–1.7) =

A 10.61 **C** –3.21
B 3.21 **D** –10.61

72 $-\frac{2}{3} \times (7.5 + (-8)) =$

A $-\frac{1}{3}$ **C** 13
B $\frac{1}{3}$ **D** – 13

73 $3\frac{2}{5} + 4.36 \times 7 =$

A 33.92 **C** 34.92
B 34.02 **D** 35.92

74 $20 + \frac{1}{2} \times 2.1 =$

A 36.75 **C** 21.05
B 25.05 **D** 20.95

75 $-\frac{24}{35} \times (7.3 + (-8)) =$

A $-\frac{12}{25}$ **C** $13\frac{1}{175}$
B $\frac{12}{25}$ **D** $-13\frac{1}{175}$

76 $-8.1 + \left(-8\frac{1}{3}\right) \times \frac{3}{4} =$

A –12.33 **C** –14.35
B –12.35 **D** –14.55

77 $-\frac{4}{9} \times (4.1 + (-5)) =$

A $-6\frac{37}{45}$ **C** $6\frac{37}{45}$
B $\frac{2}{5}$ **D** $-\frac{2}{5}$

78 $\frac{7}{8} + \left(-\frac{5}{9}\right) \times 9 - 7 =$

A $-1\frac{1}{8}$ **C** $2\frac{7}{8}$
B $-11\frac{1}{8}$ **D** $-4\frac{1}{8}$

79 $-\frac{1}{5} \times (5.3 + (-2)) =$

A $-3\frac{3}{50}$ **C** $3\frac{3}{50}$
B $-\frac{33}{50}$ **D** $\frac{33}{50}$

80 $\frac{-2 + (-2) \times (-9)}{-5 + (-8)} + 9 =$

A $9\frac{2}{5}$ **C** 10
B $7\frac{10}{13}$ **D** $6\frac{3}{13}$

BAHAGIAN 2

Question 1/Soalan 1

1. (a) On a night, the temperatures in town *X* and town *Y* were −15°C and −11°C respectively. Calculate the difference in temperature between town *X* and town *Y* on that night.
Pada suatu malam, suhu bandar X dan bandar Y masing-masing ialah −15°C *dan* −11°C. *Hitung perbezaan suhu antara bandar X dan bandar Y pada malam itu.*
Answer/*Jawapan:*

(b) $-12 + (-19 + 3) =$
Answer/*Jawapan:*

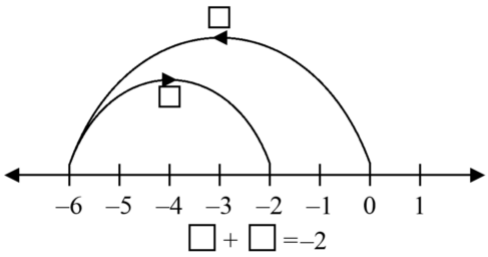
(c) $-20 - (-17) =$
Answer/*Jawapan:*

(d) $-25 - (-22) - (-28) =$
Answer/*Jawapan:*

Question 2/Soalan 2

2. (a) $-31 + (-28) =$
Answer/*Jawapan:*

(b) The diagram shows a number line.
Rajah menunjukkan satu garis nombor.



Copy and complete the number line.
Salin dan lengkapkan garis nombor itu. Answer/*Jawapan:*

(c) (i) Calculate the difference between −7 and 12.
Hitung perbezaan antara −7 *dan* 12.
(ii) What is the sum of the three integers −20, 15 and 11?
Berapakah jumlah tiga integer −20, 15, *dan* 11*?*
Answer/*Jawapan:*

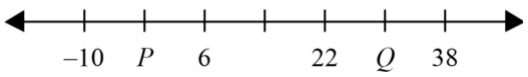
Question 3/Soalan 3

3. (a) (i) Given that $-17 + (-7) + x = -23$, find the value of x.
Diberi $-17 + (-7) + x = -23$, *cari nilai x.*
(ii) $-18 - (-17) + 4 =$
Answer/*Jawapan:*

(b) Calculate each of the following.
Hitung setiap yang berikut.
(i) $-1 + (-31) - (-50)$

(ii) $-23 - (-36) + 38$
Answer/*Jawapan:*

(c) The diagram shows a number line.
Rajah menunjukkan satu garis nombor.



What is the value of $P + Q$?
Apakah nilai P + Q?
Answer/*Jawapan:*

Question 4/Soalan 4

4. (a) Town *P* has a temperature of 3°C in the day and 8°C below zero at night. What is the difference between the temperatures in the day and at night?
Bandar P mempunyai suhu 3°C *pada siang hari dan suhu* 8°C *di bawah sifar pada waktu malam. Apakah perbezaan suhu antara siang hari dan waktu malam?*
Answer/*Jawapan:*

(b) The temperature at the top of mountain in the morning and at night was −1°C and −2°C respectively. What is the change in temperature?
Suhu di atas gunung pada waktu pagi dan waktu malam masing-masing ialah −1°C *and* −2°C. *Berapakah perubahan suhu?*
Answer/*Jawapan:*

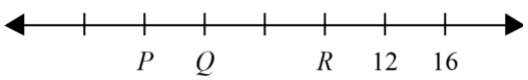
(c) The diagram shows a set of numbers.
Rajah menunjukkan satu set nombor.

−6, −27, 28, 22, −22, −3,

Find the sum of the largest and the smallest integers.
Cari jumlah integer yang terbesar dengan integer yang terkecil.
Answer/*Jawapan:*

Question 5/Soalan 5

5. (a) The diagram shows a number line.
Rajah menunjukkan satu garis nombor.



What is the value of $P + Q + R$?
Apakah nilai P + Q + R?
Answer/*Jawapan:*

(b) Calculate the sum of negative integers between −5 and 8.
Hitung jumlah integer-integer negatif antara −5 *dan* 8.
Answer/*Jawapan:*

(c) Anuar travelled 3200 m to the west from his house. He then travelled 1700 m to the east and finally 3700 m to the west again. How far is Anuar from his house?
Anuar bergerak 3200 m *ke barat dari rumahnya. Kemudian, dia bergerak* 1700 m *ke timur dan akhirnya* 3700 m *ke barat lagi. Berapakah jauh Anuar dari rumahnya?*
Answer/*Jawapan:*

Question 6/Soalan 6

6. (a) Calculate the value of $14 \times (-9)$.
Hitung nilai $14 \times (-9)$.

Answer/*Jawapan:*

(b) Calculate the value of $(-10) \times (-4) \times (-8)$.
Hitung nilai $(-10) \times (-4) \times (-8)$.

Answer/*Jawapan:*

(c) Calculate the value of $40 \div (-10)$.
Hitung nilai $40 \div (-10)$.

Answer/*Jawapan:*

(d) Calculate the value of $32 \div 2 \div 16$.
Hitung nilai $32 \div 2 \div 16$.

Answer/*Jawapan:*

Question 7/Soalan 7

7. (a) The temperature of a cold room decreases at a rate of 2°C every hour.
Find the total decrease in temperature after 10 hours.
Suhu sebuah bilik sejuk berkurang dengan kadar 2°C setiap jam.
Cari jumlah susutan suhu selepas 10 jam.

Answer/*Jawapan:*

(b) Calculate the value of $(-25) + (-35) - (-53)$.
Hitung nilai $(-25) + (-35) - (-53)$.

Answer/*Jawapan:*

(c) Hock Seng withdraws the same amount of money every month from his savings account to pay his housing loan. If he has withdrew a total sum of RM5 380 in 2 months, what is his monthly loan instalment?
Hock Seng mengeluarkan jumlah wang yang sama setiap bulan daripada akaun simpanannya untuk membayar pinjaman rumahnya. Jika dia telah mengeluarkan sejumlah RM5 380 dalam 2 bulan, berapakah ansuran bulanan pinjamannya?

Answer/*Jawapan:*

Question 8/Soalan 8

8. (a) Calculate the value of $14 \times (-12) \div (-8)$.
Hitung nilai $14 \times (-12) \div (-8)$.

Answer/*Jawapan:*

(b) Calculate the value of $12 \div 3 - (-15)$.
Hitung nilai $12 \div 3 - (-15)$.

Answer/*Jawapan:*

(c) Calculate the value of $3 + 4 \times (-13)$.
Hitung nilai $3 + 4 \times (-13)$.

Answer/*Jawapan:*

(d) Calculate the value of $(-7) \times 2 - 3\big((-5) - (-6)\big)$.
Hitung nilai $(-7) \times 2 - 3\big((-5) - (-6)\big)$.

Answer/*Jawapan:*

Question 9/Soalan 9

9. (a) In a Mathematics quiz consisting of 20 questions, 5 marks are given for each correct answer and 3 marks are deducted for each incorrect answer. Ahmad answered 19 questions correctly while Jabah answered 10 questions correctly. What is the difference between the total marks scored by Ahmad and Jabah?
Dalam suatu kuiz matematik yang mengandungi 20 soalan, 5 markah diberi bagi setiap jawapan yang betul dan 3 markah ditolak bagi setiap jawapan yang salah. Ahmad telah menjawab 19 soalan dengan betul manakala Jabah telah menjawab 10 soalan dengan betul. Berapakah perbezaan jumlah markah yang diperoleh Ahmad dan Jabah?

Answer/*Jawapan:*

(b) Sheila is having lunch at 9^{th} floor. After lunch, she went 3 floors down for shopping. She later went up 3 floors to cinema. Which floor is Sheila at now?
Sheila makan tengah hari di tingkat ke-9. Selepas makan tengah hari, dia turun 3 tingkat untuk membeli-belah. Dia kemudiannya naik 3 tingkat ke pawagam. Tingkat manakah yang Sheila berada sekarang?

Answer/*Jawapan:*

(c) The initial temperature of a freezer is −4°C. After an hour, the temperature decreases by 2°C. When it is switched off, its temperature increases at 1°C an hour. Find the temperature of the freezer after switching off for 4 hours.
Suhu awal suatu peti sejuk adalah −4°C. Selepas sejam, suhu berkurang dengan 2°C. Apabila peti sejuk itu dimatikan, suhunya bertambah dengan kadar 1°C sejam. Cari suhu peti sejuk selepas dimatikan selama 4 jam.

Answer/*Jawapan:*

Question 10/Soalan 10

10. (a) (i) Calculate the value of $-91 \div 7 + 9$.
Hitungkan nilai bagi $-91 \div 7 + 9$.

(ii) In a group of 180 students, $\frac{4}{9}$ of them are Soccer Club members. $\frac{1}{2}$ of the Soccer Club members are Badminton Club members. Find the total number of Badminton Club members.
Dalam sekumpulan 180 orang murid, $\frac{4}{9}$ *daripada mereka ialah ahli Kelab Bola Sepak.* $\frac{1}{2}$ *daripada ahli Kelab Bola Sepak itu ialah ahli Kelab Badminton. Cari jumlah bilangan ahli Kelab Badminton.*

Answer/*Jawapan:*

(b) Calculate the value of $\left(-\frac{4}{5}\right) + \left(-\frac{1}{3}\right)$.
Hitung nilai $\left(-\frac{4}{5}\right) + \left(-\frac{1}{3}\right)$.

Answer/*Jawapan:*

Question 11/Soalan 11

11. (a) Calculate the value of $\left(-\frac{2}{3}\right) - \left(-\frac{2}{13}\right)$.
Hitung nilai $\left(-\frac{2}{3}\right) - \left(-\frac{2}{13}\right)$.

Answer/*Jawapan:*

(b) Calculate the value of $\left(-\frac{13}{18}\right) \times \left(-\frac{2}{13}\right)$.
Hitung nilai $\left(-\frac{13}{18}\right) \times \left(-\frac{2}{13}\right)$.

Answer/*Jawapan:*

(c) Calculate the value of $\left(-\frac{1}{8}\right) \div \left(-\frac{4}{9}\right)$.
Hitung nilai $\left(-\frac{1}{8}\right) \div \left(-\frac{4}{9}\right)$.

Answer/*Jawapan:*

(d) Calculate the value of $\left(-\frac{1}{18}\right) \div \left(-1\frac{1}{13}\right) \div \left(-1\frac{8}{11}\right)$.
Hitung nilai $\left(-\frac{1}{18}\right) \div \left(-1\frac{1}{13}\right) \div \left(-1\frac{8}{11}\right)$.

Answer/*Jawapan:*

Question 12/Soalan 12

12. (a) Calculate the value of (–3.4) + (–9.26).
Hitung nilai (–3.4) + (–9.26).

Answer/*Jawapan:*

(b) Calculate the value of (–6.6) + 2.25 + 6.44.
Hitung nilai (–6.6) + 2.25 + 6.44.

Answer/*Jawapan:*

(c) Calculate the value of (–8.6) – 7.72 – (–2.44).
Hitung nilai (–8.6) – 7.72 – (–2.44).

Answer/*Jawapan:*

(d) Calculate the value of 6.4 × 7.7 × 2.2.
Hitung nilai 6.4 × 7.7 × 2.2.

Answer/*Jawapan:*

Question 13/Soalan 13

13. (a) Calculate the value of 3.06 ÷ 1.5 ÷ (–1.5).
Hitung nilai 3.06 ÷ 1.5 ÷ (–1.5).

Answer/*Jawapan:*

(b) Mark 0.8, –0.8, –0.4, 1.6 and 1.1 on a number line.
Tanda 0.8, –0.8, –0.4, 1.6, dan 1.1 pada satu garis nombor.

Answer/*Jawapan:*

Question 14/Soalan 14

14. (a) Calculate the value of 6.4 − 2.17.
Hitung nilai 6.4 − 2.17.

Answer/*Jawapan:*

(b) Calculate the value of (–1.4) × 4.8.
Hitung nilai (–1.4) × 4.8.

Answer/*Jawapan:*

(c) Calculate the value of 9.12 ÷ (–9.5).
Hitung nilai 9.12 ÷ (–9.5).

Answer/*Jawapan:*

Question 15/Soalan 15

15. (a) Calculate the value of $-3 + \left(-1\frac{1}{2}\right)$.

Hitung nilai $-3 + \left(-1\frac{1}{2}\right)$.

Answer/*Jawapan:*

(b) Calculate the value of $-5.8 \times 1.8 - 1\frac{1}{4}$.

Hitung nilai $-5.8 \times 1.8 - 1\frac{1}{4}$.

Answer/*Jawapan:*

(c) Calculate the value of $15 - (-9.8) \div \left(-\frac{1}{2}\right)$.

Hitung nilai $15 - (-9.8) \div \left(-\frac{1}{2}\right)$.

Answer/*Jawapan:*

Question 16/Soalan 16

16. (a) Calculate the value of $-7 - (6.71 - 7.51) \div 20$.
Hitung nilai $-7 - (6.71 - 7.51) \div 20$.

Answer/*Jawapan:*

(b) Calculate the value of $-8 \times \left(2.62 + 2.76 \div 1\frac{1}{5}\right)$.

Hitung nilai $-8 \times \left(2.62 + 2.76 \div 1\frac{1}{5}\right)$.

Answer/*Jawapan:*

(c) Calculate the value of $6 - 5\frac{2}{3}$.

Hitung nilai $6 - 5\frac{2}{3}$.

Answer/*Jawapan:*

(d) Calculate the value of $-9 + 4.7$.
Hitung nilai $-9 + 4.7$.

Answer/*Jawapan:*

Question 17/Soalan 17

17. (a) Calculate the value of $8 - (-1.6)$.
Hitung nilai $8 - (-1.6)$.

Answer/*Jawapan:*

(b) Calculate the value of $3.4 + \left(-5\frac{7}{9}\right)$.

Hitung nilai $3.4 + \left(-5\frac{7}{9}\right)$.

Answer/*Jawapan:*

(c) Calculate the value of $12.4 - 5\frac{2}{5}$.

Hitung nilai $12.4 - 5\frac{2}{5}$.

Answer/*Jawapan:*

Question 18/Soalan 18

18. (a) Calculate the value of 9.63×2.
Hitung nilai 9.63×2.

Answer/*Jawapan:*

(b) Calculate the value of $-8.54 \div 8$.
Hitung nilai $-8.54 \div 8$.

Answer/*Jawapan:*

(c) Calculate the value of $-13.7 \times 4\frac{5}{9}$.

Hitung nilai $-13.7 \times 4\frac{5}{9}$.

Answer/*Jawapan:*

(d) Calculate the value of $-13.5 \div 2\frac{1}{2}$.

Hitung nilai $-13.5 \div 2\frac{1}{2}$.

Answer/*Jawapan:*

Question 19/Soalan 19

19. (a) The initial position of a submarine is 510 m below the surface of the sea. The submarine ascends $60\frac{1}{3}$ m per minute steadily for 9 minutes and then descends 770.5 m. Find the new position of the submarine.

Kedudukan asal sebuah kapal selam ialah 510 m *di bawah permukaan laut. Kapal selam naik* $60\frac{1}{3}$ m *per minit selama* 9 *minit dan kemudian turun* 770.5 m. *Cari kedudukan baru kapal selam itu.*

Answer/*Jawapan:*

(b) Calculate the value of $-8 + 7.5 \div \frac{1}{3}$.

Hitung nilai bagi $-8 - 7.5 \div \frac{1}{3}$.

Answer/*Jawapan:*

Question 20/Soalan 20

20. (a) Calculate the value of $17 + (1\frac{3}{4} \times -2\frac{1}{9})$.

Hitung nilai bagi $17 + (1\frac{3}{4} \times -2\frac{1}{9})$.

Answer/*Jawapan:*

(b) The water level in a tank is $-\frac{1}{7}$ m from the critical level. After 2 days, the water level in the tank is $\frac{3}{7}$ m above the critical level. Find the average rise in water level.

Paras air dalam sebuah tangki ialah $\frac{1}{7}$ *m daripada paras kritikal. Selepas 2 hari, paras air dalam tangki itu adalah* $\frac{3}{7}$ *m di atas paras kritikal. Cari purata peningkatan paras air setiap hari.*

Answer/*Jawapan:*

BAB 2: POLA & URUTAN (PATTERN & SEQUENCE)

BAHAGIAN 1

1 The first three prime numbers greater than 63 are
Tiga nombor perdana pertama yang lebih besar daripada 63 ialah

A 65, 67, 73 **C** 68, 71, 73
B 67, 71, 73 **D** 69, 71, 73

2 Diagram 2 shows a sequence of prime numbers.
Rajah 2 menunjukkan satu urutan nombor perdana.

5, 7, *p*, *q*, 17, ...

Diagram 2
Rajah 2

Find the sum of *p* and *q*?
Apakah hasil tambah p dan q?

A 24 **C** 27
B 26 **D** 28

3 Find the number of prime numbers between 44 and 65.
Carikan bilangan nombor perdana antara 44 dan 65.

A 3 **C** 5
B 4 **D** 6

4 Diagram 3 shows a sequence of prime numbers.
Rajah 3 menunjukkan satu urutan nombor perdana.

s, 13, 17, *t*, 23, ...

Diagram 3
Rajah 3

Find the sum of *s* and *t*?
Apakah hasil tambah s dan t?

A 29 **C** 31
B 30 **D** 32

5 The first three prime numbers greater than 65 are
Tiga nombor perdana pertama yang lebih besar daripada 65 ialah

A 67, 69, 71 **C** 67, 71, 76
B 67, 71, 73 **D** 71, 73, 76

6 Find the number of prime numbers between 64 and 90.
Carikan bilangan nombor perdana antara 64 dan 90.

A 3 **C** 5
B 4 **D** 6

7 Diagram 4 shows a sequence of prime numbers.
Rajah 4 menunjukkan satu urutan nombor perdana.

5, *p*, 11, *q*, 17, ...

Diagram 4
Rajah 4

Find the sum of *p* and *q*?
Apakah hasil tambah p dan q?

A 18 **C** 20
B 19 **D** 22

8 Diagram 5 shows a sequence of prime numbers.
Rajah 5 menunjukkan satu urutan nombor perdana.

11, 13, *s*, *t*, 23, ...

Diagram 5
Rajah 5

Find the sum of *s* and *t*?
Apakah hasil tambah s dan t?

A 35 **C** 38
B 36 **D** 39

9 Which of the following is a prime number?
Antara yang berikut, yang manakah nombor perdana?

A 4 **C** 6
B 5 **D** 9

10 $(m^2 + 7)$ is divisible by 7. One of the possible values of *m* is
$(m^2 + 7)$ boleh dibahagikan oleh 7. Salah satu kemungkinan untuk nilai m ialah

A 3 **C** 9
B 8 **D** 14

11 Diagram 6 shows the factors of the number *U*.
Rajah 6 menunjukkan faktor-faktor untuk nombor U.

s, 2, 5, 7, *t*, 14, 35, 70

Diagram 6
Rajah 6

What is the difference between *s* and *t*?
Berapakah beza antara s dan t?

A 9 **C** 63
B 11 **D** 65

12 Which of the following numbers is **not** a factor of 60?
*Antara yang berikut, yang manakah **bukan** faktor bagi 60?*

A 12 **C** 20
B 16 **D** 30

13 How many factors does the number 81 have?
Berapakah bilangan faktor yang nombor 81 ada?

A 3 **C** 5
B 4 **D** 6

14 Diagram 7 shows some of the factors of 99.
Rajah 7 menunjukkan sesetengah faktor untuk 99.

1	11	3	33

Diagram 7
Rajah 7

The other factors of 99 are
Faktor-faktor yang lain untuk 99 ialah

A 32, 99 **C** 9, 30, 99
B 9, 18, 99 **D** 9, 99

15 Diagram 8 shows two statements.
Rajah 8 menunjukkan dua pernyataan.

• 3 is a factor of *a*. *3 ialah faktor a.* • *a* is a factor of 27. *a ialah faktor 27.*

Diagram 8
Rajah 8

Based on the statements, one of the possible value of *a* is
Berdasarkan pernyataan di atas, salah satu kemungkinan untuk nilai a ialah

A 9 **C** 18
B 12 **D** 30

16 Which of the following is the prime factor of 56?
Antara yang berikut, yang manakah faktor perdana bagi 56?

A 4 **C** 28
B 7 **D** 56

17 Which of the following is the prime factor of 84?
Antara yang berikut, yang manakah faktor perdana bagi 84?

A 6 **C** 14
B 7 **D** 21

18 The sum of all prime factors of 84 is
Hasil tambah semua faktor perdana 84 ialah

A 7 **C** 15
B 12 **D** 19

19 The sum of all prime factors of 66 is
Hasil tambah semua faktor perdana 66 ialah

A 13 **C** 16
B 14 **D** 27

20 The sum of all prime factors of 66 is
Hasil tambah semua faktor perdana 66 ialah

A 5 **C** 16
B 11 **D** 27

21 Which of the following is the prime factor of 20?
Antara yang berikut, yang manakah faktor perdana bagi 20?

A 1 **C** 5
B 4 **D** 20

22 The sum of all prime factors of *b* is 18. What is the value of *b*?
Hasil tambah semua faktor perdana b ialah 18. Berapakah nilai b?

A 72 **C** 80
B 78 **D** 84

23 Find the difference between the smallest and the biggest prime factors of 64.
Hitungkan beza antara faktor perdana terkecil dan terbesar bagi 64.

A 0 **C** 14
B 12 **D** 15

24 Both 45 and 70 are multiples of
Kedua-dua 45 dan 70 ialah gandaan

A 3 **C** 7
B 5 **D** 9

25 Which of the following is the lowest common multiple of 3, 8 and 12?
Antara yang berikut, yang manakah gandaan sepunya terkecil untuk 3, 8, dan 12?

A 24 **C** 72
B 36 **D** 96

26 Which of the following is the lowest common multiple of 8 and 20?
Antara yang berikut, yang manakah gandaan sepunya terkecil untuk 8 dan 20?

A 32 **C** 80
B 40 **D** 120

27 The lowest common multiple of 10, 12 and m is 60. The possible value of m is
Gandaan sepunya terkecil untuk 10, 12, dan m ialah 60. Nilai yang mungkin untuk m ialah

A 20 **C** 120
B 70 **D** 240

28 Which of the following is the common multiple of 12 and 18?
Antara yang berikut, yang manakah gandaan sepunya 12 dan 18?

A 24 **C** 36
B 30 **D** 42

29 Which of the following is the common multiple of 5, 10 and 18?
Antara yang berikut, yang manakah gandaan sepunya untuk 5, 10, dan 18?

A 10 **C** 90
B 50 **D** 270

30 Which of the following is **not** the common multiple of 24 and 30?
*Antara yang berikut, yang manakah **bukan** gandaan sepunya 24 dan 30?*

A 84 **C** 240
B 120 **D** 360

31 h is the common multiple of 2 and 4. 180 is the common multiple of 9 and h. Which of the following can be the value of h?
h ialah gandaan sepunya 2 dan 4. 180 ialah gandaan sepunya 9 dan h. Antara yang berikut, yang manakah boleh menjadi nilai h?

A 20 **C** 40
B 24 **D** 44

32 Which of the following sets of numbers have 8 as its highest common factor?
Antara yang berikut, set nombor yang manakah mempunyai 8 sebagai faktor sepunya terbesar?

A 16, 48 and 160
16, 48 dan 160

B 24, 72 and 144
24, 72 dan 144

C 48, 64 and 144
48, 64 dan 144

D 72, 112 and 160
72, 112 dan 160

33 $b - 5$ is the highest common factor of 30 and 42. The value of b is
$b - 5$ ialah faktor sepunya terbesar bagi 30 dan 42. Nilai b ialah

A 3 **C** 11
B 6 **D** 16

34 $h - 6$ is the highest common factor of 18 and 36. The value of h is
$h - 6$ ialah faktor sepunya terbesar bagi 18 dan 36. Nilai h ialah

A 3 **C** 24
B 18 **D** 36

35 $d - 6$ is the highest common factor of 38 and 38. The value of d is
$d - 6$ ialah faktor sepunya terbesar bagi 38 dan 38. Nilai d ialah

A 2 **C** 50
B 44 **D** 56

36 Which of the following pairs of numbers have 16 as its highest common factor?
Antara yang berikut, pasangan nombor yang manakah mempunyai 16 sebagai faktor sepunya terbesar?

A 128, 320 **C** 160, 192
B 144, 192 **D** 304, 320

37 List out all common factors for 27 and 54.
Senaraikan semua faktor-faktor sepunya untuk 27 dan 54.

A 1, 3 and 9
1, 3 dan 9

B 1, 3, 9 and 27
1, 3, 9 dan 27

C 2 and 3
2 dan 3

D 3 and 9
3 dan 9

38 List out all common factors for 63 and 72.
Senaraikan semua faktor-faktor sepunya untuk 63 dan 72.

A 1, 2 and 3
1, 2 dan 3

B 1, 3 and 7
1, 3 dan 7

C 1, 3 and 9
1, 3 dan 9

D 2 and 3
2 dan 3

39 Find the highest common factor of 12, 42 and 84.
Hitungkan faktor sepunya terbesar untuk 12, 42 dan 84.

A 4 **C** 8
B 6 **D** 9

40 $q - 3$ is the highest common factor of 77 and 77. The value of q is
$q - 3$ ialah faktor sepunya terbesar bagi 77 dan 77. Nilai q ialah

A 77 **C** 83
B 80 **D** 86

41 List out all common factors for 24 and 76.
Senaraikan semua faktor-faktor sepunya untuk 24 dan 76.

A 1 and 4
1 dan 4

B 1, 2 and 3
1, 2 dan 3

C 1, 2 and 4
1, 2 dan 4

D 2 and 4
2 dan 4

42 $h - 2$ is the highest common factor of 28 and 36. The value of h is
$h - 2$ ialah faktor sepunya terbesar bagi 28 dan 36. Nilai h ialah

A 4 **C** 8
B 6 **D** 10

BAHAGIAN 2

Question 1/Soalan 1

1. (a) (i) How many prime numbers are there between 70 and 93?
Berapakah bilangan nombor perdana antara 70 dan 93?
(ii) What is the smallest prime number after 88?
Apakah nombor perdana terkecil selepas 88?
Answer/*Jawapan:*

(b) How many prime numbers are there between 24 and 52?
Berapakah bilangan nombor perdana antara 24 dan 52? Answer/*Jawapan:*

(c) What is the largest prime number before 90?
Apakah nombor perdana terbesar sebelum 90? Answer/*Jawapan:*

Question 2/Soalan 2

2. (a) Determine if each of the following numbers is a prime number.
Tentukan sama ada setiap nombor yang berikut adalah nombor perdana.
(i) 2
(ii) 51
(iii) 85
Answer/*Jawapan:*

(b) List all the prime numbers between
Senaraikan semua nombor perdana antara
(i) 76 and 96,
76 dan 96,
(ii) 9 and 29.
9 dan 29.
Answer/*Jawapan:*

(c) Write 5 prime numbers between 20 and 90.
Tuliskan 5 nombor perdana di antara 20 dan 90. Answer/*Jawapan:*

Question 3/Soalan 3

3. (a) List all the factors of 95.
Senaraikan semua faktor 95.
Answer/*Jawapan:*

(b) The diagram shows the factors of the number *R*.
Rajah menunjukkan faktor-faktor untuk nombor R.

1, *p*, 7, *q*, 21, 63

What is the difference between *p* and *q*?
Berapakah beza antara p dan q? Answer/*Jawapan:*

(c) Determine whether
Tentukan sama ada
(i) 9 is a factor of 117,
9 adalah faktor 117,
(ii) 13 is a factor of 167,
13 adalah faktor 167,

(iii) 2 is a factor of 198.
2 adalah faktor 198.
Answer/*Jawapan:*

(d) Write a number that is bigger than 100 and has more than 8 factors. List all factors for the written number.
Tuliskan satu nombor yang lebih besar daripada 100 dan mempunyai lebih daripada 8 faktor. Senaraikan semua faktor bagi nombor yang ditulis. Answer/*Jawapan:*

Question 4/Soalan 4

4. (a) Find the prime factors of 57.
Carikan faktor perdana 57.
Answer/*Jawapan:*

(b) Calculate the sum of all prime factors of 74.
Hitungkan hasil tambah semua faktor perdana bagi 74.
Answer/*Jawapan:*

(c) Calculate the difference between the smallest prime factor and the largest prime factor of 22.
Hitungkan beza antara faktor perdana terkecil dan faktor perdana terbesar bagi 22.
Answer/*Jawapan:*

(d) Determine whether 7 is a prime factor of
Tentukan sama ada 7 adalah faktor perdana
(i) 322,
(ii) 477,
(iii) 120.
Answer/*Jawapan:*

(e) Write three numbers that have the same prime factors.
Tuliskan tiga nombor yang mempunyai faktor-faktor perdana yang sama. Answer/*Jawapan:*

Question 5/Soalan 5

5. (a) What is the sum of all the multiples of 17 between 26 and 79?
Berapakah hasil tambah semua gandaan 17 antara 26 dan 79?
Answer/*Jawapan:*

(b) What is the difference between the smallest and the largest multiple of 10 between 16 and 46?
Berapakah beza antara gandaan terkecil dan gandaan terbesar bagi 10 antara 16 dan 46?
Answer/*Jawapan:*

(c) List the multiples of 3 between 46 and 66.
Senaraikan gandaan 3 antara 46 dan 66.
Answer/*Jawapan:*

(d) Determine if the following numbers have 260 as their multiples.
Tentukan sama ada nombor yang berikut mempunyai 260 sebagai gandaan mereka.
(i) 3,
(ii) 9,
(iii) 4.
Answer/*Jawapan:*

Question 6/Soalan 6

6. (a) Find the lowest common multiple of 4, 5 and 6.
Carikan gandaan sepunya terkecil untuk 4, 5 dan 6.
Answer/*Jawapan:*

(b) Find the lowest common multiple of 6 and 8.
Carikan gandaan sepunya terkecil untuk 6 dan 8.
Answer/*Jawapan:*

(c) $y + 9$ is the lowest common multiple of 3, 4 and 16. The value of y is
$y + 9$ ialah gandaan sepunya terkecil untuk 3, 4, dan 16. Nilai y ialah Answer/*Jawapan:*

Question 7/Soalan 7

7. (a) State all the common multiples which are less than 32 for
Nyatakan semua gandaan sepunya yang kurang daripada 32 bagi
(i) 3 and 7,
3 dan 7,
(ii) 2, 5 and 6.
2, 5 dan 6.
Answer/*Jawapan:*

(b) Determine if 135 is a common multiple of
Tentukan sama ada 135 adalah gandaan sepunya
(i) 3 and 9,
3 dan 9,
(ii) 2, 17 and 27.
2, 17 dan 27.
Answer/*Jawapan:*

(c) Find the lowest common multiple of the following.
Carikan gandaan sepunya terkecil untuk yang berikut.
(i) 10 and 20,
10 dan 20,
(ii) 8 and 18,
8 dan 18,
(iii) 5, 7 and 10,
5, 7 dan 10,
(iv) 2, 5 and 9.
2, 5 dan 9.
Answer/*Jawapan:*

Question 8/Soalan 8

8. (a) Write three prime numbers that are bigger than 5. Then, the write three of their common multiples.
Tuliskan tiga nombor perdana yang lebih besar daripada 5. Seterusnya, tulis tiga gandaan sepunya bagi nombor-nombor itu. Answer/*Jawapan:*

(b) Write three numbers below 20 with the lowest common multiples of more than 100.
Tuliskan tiga nombor yang kurang daripada 20 dan mempunyai gandaan sepunya terkecil yang melebihi 100.
Answer/*Jawapan:*

(c) List all the multiples of 3 and 7 that are less than 43. Then, state all the common multiples.
Senaraikan semua gandaan bagi 3 dan 7 yang kurang daripada 43. Kemudian, nyatakan semua gandaan sepunya.

Question 9/Soalan 9

9. (a) Find the common factors of 64 and 92
Carikan faktor sepunya bagi 64 dan 92
Answer/*Jawapan:*

(b) What is the difference between the highest common factor and the lowest common multiple of 18 and 27?
Berapakah beza antara faktor sepunya terbesar dan gandaan sepunya terkecil bagi 18 dan 27?
Answer/*Jawapan:*

(c) What is the sum of the highest common factor and the lowest common multiple of 12 and 42?
Berapakah hasil tambah faktor sepunya terbesar dan gandaan sepunya terkecil bagi 12 dan 42?
Answer/*Jawapan:*

(d) Find all the common factors of the following.
Carikan semua faktor sepunya untuk yang berikut.
(i) 20 and 32,
20 dan 32,
(ii) 20 and 36.
20 dan 36.
Answer/*Jawapan:*

Question 10/Soalan 10

10. (a) Determine if each of the following numbers is a common factor of 30, 40 and 50.
Tentukan sama ada setiap nombor yang berikut adalah faktor sepunya untuk 30, 40 dan 50.
(i) 2
(ii) 5
(iii) 9
Answer/*Jawapan:*

(b) Find the highest common factor of each of the following sets of numbers.
Carikan faktor sepunya terbesar bagi setiap set nombor yang berikut.
(i) 26 and 39,
26 dan 39,
(ii) 52 and 98,
52 dan 98,
(iii) 25, 125 and 150,
25, 125 dan 150,
(iv) 48, 136 and 144.
48, 136 dan 144.
Answer/*Jawapan:*

BAB 3: KUASA DUA,PUNCA KUASA DUA,KUASA TIGA PUNCA KUASA TIGA (SQUARE,SQUARE ROOTS,CUBE,CUBE ROOTS)

BAHAGIAN 1

1 Given that $2.65^2 = 7.02$, what is the value of 26.5^2?
Diberi $2.65^2 = 7.02$, *apakah nilai* 26.5^2*?*

A 70 200 **C** 702
B 7 020 **D** 70.2

2 Given that $7.55^2 = 57$, then $1\,000 \times 75.5^2$?
Diberi $7.55^2 = 57$, *maka* $1\,000 \times 75.5^2$*?*

A 5 700 000 **C** 57 000
B 570 000 **D** 5 700

3 Given that $8.88^2 = 78.85$, then $1\,000 \times 88.8^2$?
Diberi $8.88^2 = 78.85$, *maka* $1\,000 \times 88.8^2$*?*

A 7 885 **C** 788 500
B 78 850 **D** 7 885 000

4 Given that $7.64^2 = 58.37$, then 100×76.4^2?
Diberi $7.64^2 = 58.37$, *maka* 100×76.4^2*?*

A 5 837 000 **C** 58 370
B 583 700 **D** 5 837

5 Given that $9.68^2 = 93.7$, then 10×96.8^2?
Diberi $9.68^2 = 93.7$, *maka* 10×96.8^2*?*

A 9 370 000 **C** 93 700
B 937 000 **D** 9 370

6 Given that $7.66^2 = 58.68$, what is the value of 76.6^2?
Diberi $7.66^2 = 58.68$, *apakah nilai* 76.6^2*?*

A 586.8 **C** 58 680
B 5 868 **D** 586 800

7 Given that $7.18^2 = 51.55$, what is the value of 718^2?
Diberi $7.18^2 = 51.55$, *apakah nilai* 718^2*?*

A 515 500 **C** 5 155
B 51 550 **D** 515.5

8 Given that $4.75^2 = 22.56$, then 10×47.5^2?
Diberi $4.75^2 = 22.56$, *maka* 10×47.5^2*?*

A 2 256 **C** 225 600
B 22 560 **D** 2 256 000

9 Given that $1.56^2 = 2.43$, then $1\,000 \times 15.6^2$?
Diberi $1.56^2 = 2.43$, *maka* $1\,000 \times 15.6^2$*?*

A 243 **C** 24 300
B 2 430 **D** 243 000

10 Given that $6.51^2 = 42.38$, then 100×65.1^2?
Diberi $6.51^2 = 42.38$, *maka* 100×65.1^2*?*

A 4 238 **C** 423 800
B 42 380 **D** 4 238 000

11 Given that $9.15^2 = 83.72$, what is the value of 91.5^2?
Diberi $9.15^2 = 83.72$, *apakah nilai* 91.5^2*?*

A 837.2 **C** 83 720
B 8 372 **D** 837 200

12 Given that $7.36^2 = 54.17$, what is the value of 73.6^2?
Diberi $7.36^2 = 54.17$, *apakah nilai* 73.6^2*?*

A 541.7 **C** 54 170
B 5 417 **D** 541 700

13 Given that $9.88^2 = 97.61$, then $1\,000 \times 98.8^2$?
Diberi $9.88^2 = 97.61$, *maka* $1\,000 \times 98.8^2$*?*

A 9 761 000 **C** 97 610
B 976 100 **D** 9 761

14 Given that $1.17^2 = 1.37$, what is the value of 117^2?
Diberi $1.17^2 = 1.37$, *apakah nilai* 117^2*?*

A 13.7 **C** 1 370
B 137 **D** 13 700

15 Given that $7.61^2 = 57.91$, then 10×76.1^2?
Diberi $7.61^2 = 57.91$, *maka* 10×76.1^2*?*

A 5 791 000 **C** 57 910
B 579 100 **D** 5 791

16 Given that $5.02^2 = 25.2$, then 10×50.2^2?
Diberi $5.02^2 = 25.2$, *maka* 10×50.2^2*?*

A 2 520 **C** 252 000
B 25 200 **D** 2 520 000

17 Given that the area of a piece of square tile is 100 cm^2, find its perimeter.
Diberi luas sekeping ubin segi empat sama ialah 100 cm^2*, cari perimeter ubin itu.*

A 50 cm **C** 30 cm
B 40 cm **D** 10 cm

18 Given that the area of a piece of square tile is 121 cm^2, find its perimeter.
Diberi luas sekeping ubin segi empat sama ialah 121 cm^2*, cari perimeter ubin itu.*

A 11 cm **C** 44 cm
B 33 cm **D** 55 cm

19 Given that $k = 6^2 \times 25$, then the value of $\sqrt{k}$ is
Diberi $k = 6^2 \times 25$*, maka nilai* $\sqrt{k}$ *ialah*

A 150 **C** 60
B 90 **D** 30

20 Given that the area of a piece of square tile is 49 cm^2, find its perimeter.
Diberi luas sekeping ubin segi empat sama ialah 49 cm^2*, cari perimeter ubin itu.*

A 7 cm **C** 28 cm
B 21 cm **D** 35 cm

21 Given that the area of a piece of square tile is 25 cm^2, find its perimeter.
Diberi luas sekeping ubin segi empat sama ialah 25 cm^2*, cari perimeter ubin itu.*

A 5 cm **C** 20 cm
B 15 cm **D** 25 cm

22 Which of the following is true?
Antara berikut, yang manakah adalah betul?

A $\sqrt{6} \times \sqrt{6} = \sqrt{6 + 6}$
B $\sqrt{7 \times 7} = 2 \times \sqrt{7}$
C $\sqrt{25} = 5$
D $\sqrt{-20\frac{1}{4}} = \frac{9}{2}$

23 Given that the area of a piece of square tile is 81 cm^2, find its perimeter.
Diberi luas sekeping ubin segi empat sama ialah 81 cm^2*, cari perimeter ubin itu.*

A 9 cm **C** 36 cm
B 27 cm **D** 45 cm

24 Given that $\sqrt{5.3} = 2.3$ and $\sqrt{53} = 7.28$, then $\sqrt{53\,000} =$
Diberi $\sqrt{5.3} = 2.3$ *dan* $\sqrt{53} = 7.28$*, maka* $\sqrt{53\,000} =$

A 23 **C** 230
B 72.8 **D** 728

25 Which of the following is **not** true?
Antara berikut, yang manakah adalah ***tidak*** *betul?*

A $9 \times \sqrt{6} = \sqrt{486}$
B $\sqrt{2\,000} = 5 \times \sqrt{80}$
C $\sqrt{70 - 7^2} = \sqrt{21}$
D $\sqrt{0.25} \div 5 = 0.05$

26 Given that the area of a piece of square tile is 49 cm^2, find its perimeter.
Diberi luas sekeping ubin segi empat sama ialah 49 cm^2*, cari perimeter ubin itu.*

A 35 cm **C** 21 cm
B 28 cm **D** 7 cm

27 Given that $7.89^2 = 62.3$, then $\sqrt{623\,000} =$
Diberi $7.89^2 = 62.3$*, maka* $\sqrt{623\,000} =$

A 7 890 **C** 78.9
B 789 **D** 0.789

28 Given that $8.14^2 = 66.3$, then $\sqrt{663\,000} =$
Diberi $8.14^2 = 66.3$*, maka* $\sqrt{663\,000} =$

A 0.814 **C** 814
B 81.4 **D** 8 140

29 Which of the following is true?
Antara berikut, yang manakah adalah betul?

A $\sqrt{8} \times \sqrt{8} = \sqrt{8 + 8}$
B $\sqrt{8 \times 8} = 2 \times \sqrt{8}$
C $\sqrt{-64} = -8$
D $\sqrt{\frac{49}{81}} = \frac{7}{9}$

30 A cube has sides of 9 cm. The volume, in cm^3, of the cube is
Sebuah kubus mempunyai sisi 9 cm. *Isipadu, dalam* cm^3, *kubus itu ialah*

A 6 561 **C** 81
B 729 **D** 27

31 A cube has sides of 3 cm. The volume, in cm^3, of the cube is
Sebuah kubus mempunyai sisi 3 cm. *Isipadu, dalam* cm^3, *kubus itu ialah*

A 81 **C** 9
B 27 **D** 9

32 A cube has sides of 10 cm. The volume, in cm^3, of the cube is
Sebuah kubus mempunyai sisi 10 cm. *Isipadu, dalam* cm^3, *kubus itu ialah*

A 10 000 **C** 100
B 1 000 **D** 30

33 A cube has sides of 3 cm. The volume, in cm^3, of the cube is
Sebuah kubus mempunyai sisi 3 cm. *Isipadu, dalam* cm^3, *kubus itu ialah*

A 9 **C** 27
B 9 **D** 81

34 A cube has sides of 7 cm. The volume, in cm^3, of the cube is
Sebuah kubus mempunyai sisi 7 cm. *Isipadu, dalam* cm^3, *kubus itu ialah*

A 21 **C** 343
B 49 **D** 2 401

35 A cube has sides of 6 cm. The volume, in cm^3, of the cube is
Sebuah kubus mempunyai sisi 6 cm. *Isipadu, dalam* cm^3, *kubus itu ialah*

A 1 296 **C** 36
B 216 **D** 18

36 The value of $1 - 0.9^3$ is
Nilai $1 - 0.9^3$ *ialah*

A 1.9 **C** 0.271
B 1.009 **D** 0.19

37 Given that $6.2^3 = 238.3$, then $\sqrt[3]{0.2383} =$
Diberi $6.2^3 = 238.3$, *maka* $\sqrt[3]{0.2383} =$

A 0.62 **C** 0.0062
B 0.062 **D** 0.00062

38 $\sqrt[3]{1\frac{169}{343}} + \sqrt[3]{-125} =$

A $-\frac{43}{7}$ **C** $-\frac{27}{7}$
B $\frac{43}{7}$ **D** $\frac{27}{7}$

39 $\sqrt[3]{-0.008} =$

A 0.2 **C** –0.02
B 0.02 **D** –0.2

40 Given that $9.5^3 = 857.4$, then $\sqrt[3]{0.8574} =$
Diberi $9.5^3 = 857.4$, *maka* $\sqrt[3]{0.8574} =$

A 0.95 **C** 0.0095
B 0.095 **D** 0.00095

41 $\sqrt[3]{1 - \frac{511}{512}} =$

A $\frac{1}{8}$ **C** $\frac{1}{64}$
B $\frac{7}{8}$ **D** $\frac{63}{64}$

42 The value of $\sqrt[3]{-60}$ lies between
Nilai $\sqrt[3]{-60}$ *terletak di antara*

A 3 and 4
3 *dan* 4
B –4 and –3
–4 *dan* –3
C 7 and 8
7 *dan* 8
D –8 and –7
–8 *dan* –7

43 $\sqrt[3]{1-\frac{117}{125}} =$

A $\frac{4}{25}$ **C** $\frac{3}{5}$

B $\frac{21}{25}$ **D** $\frac{2}{5}$

44 Given that $8.5^3 = 614.1$, then $\sqrt[3]{0.6141} =$

Diberi $8.5^3 = 614.1$, *maka* $\sqrt[3]{0.6141} =$

A 0.00085 **C** 0.085

B 0.0085 **D** 0.85

45 $\sqrt[3]{1-\frac{485}{512}} =$

A $\frac{3}{8}$ **C** $\frac{9}{64}$

B $\frac{5}{8}$ **D** $\frac{55}{64}$

46 $\sqrt[3]{1-\frac{218}{343}} =$

A $\frac{5}{7}$ **C** $\frac{25}{49}$

B $\frac{2}{7}$ **D** $\frac{24}{49}$

47 Given that $2.1^3 = 9.3$, then $\sqrt[3]{0.0093} =$

Diberi $2.1^3 = 9.3$, *maka* $\sqrt[3]{0.0093} =$

A 0.21 **C** 0.0021

B 0.021 **D** 0.00021

48 $\sqrt[3]{1-\frac{98}{125}} =$

A $\frac{3}{5}$ **C** $\frac{9}{25}$

B $\frac{2}{5}$ **D** $\frac{16}{25}$

49 $\sqrt[3]{1-\frac{19}{27}} =$

A $\frac{2}{3}$ **C** $\frac{4}{9}$

B $\frac{1}{3}$ **D** $\frac{5}{9}$

50 Which of the following is **not** true?
*Antara berikut, yang manakah adalah **tidak** benar?*

A $\sqrt[3]{0.125} = 0.5$

B $2 - (-\sqrt[3]{512}) = 10$

C $\sqrt[3]{27} + \sqrt[3]{512} = -5$

D $\sqrt[3]{3\frac{302}{343}} = 1\frac{4}{7}$

BAHAGIAN 2

Question 1/Soalan 1

1. (a) Calculate the value of $\left(2\frac{2}{3}\right)^2 - \left(\frac{5}{6}\right)^2$ and express the answer as a mixed number.
Hitung nilai $\left(2\frac{2}{3}\right)^2 - \left(\frac{5}{6}\right)^2$ *dan nyatakan jawapan sebagai nombor bercampur.*

Answer/*Jawapan:*

(b) Write the following as a number to the power of two.
Tulis berikutnya sebagai suatu nombor kuasa dua.
(i) $-4 \times (-4)$
(ii) 2.9×2.9
(iii) $\frac{1}{6} \times \frac{1}{6}$

Answer/*Jawapan:*

(c) Calculate the value of
Hitung nilai
(i) $(-2)^3 - 5^3$
(ii) $(6.4^2 - 9.96)^3$

Answer/*Jawapan:*

Question 2/Soalan 2

2. (a) Expand each of the following as a number multiplied by itself.
Kembangkan setiap yang berikut sebagai suatu nombor didarabkan dengan diri sendiri.
(i) $(-5)^2$
(ii) 2.6^2
(iii) $\left(-\frac{5}{6}\right)^2$

Answer/*Jawapan:*

(b) List all the perfect squares between 130 and 410.
Senaraikan semua nombor kuasa dua sempurna antara 130 *dan* 410.

Answer/*Jawapan:*

(c) Calculate the value of
Hitung nilai
(i) $3^3 - (-4)^3$
(ii) $(2.9^2 - 5.41)^3$

Answer/*Jawapan:*

Question 3/Soalan 3

3. (a) Given that $\sqrt{41} = 6.4$ and $\sqrt{4.1} = 2$, find the value of $\sqrt{410}$.
Diberi $\sqrt{41} = 6.4$ *dan* $\sqrt{4.1} = 2$, *cari nilai* $\sqrt{410}$.

(b) Calculate the value of $\sqrt{6\frac{1}{4}} - 8$.

Hitung nilai $\sqrt{6\frac{1}{4}} - 8$.

Answer/*Jawapan:*

(c) Find the value of
Cari nilai

(i) $\sqrt[3]{0.064}$

(ii) $\sqrt[3]{\frac{8}{27}}$

Answer/*Jawapan:*

Question 4/Soalan 4

4. (a) Write the square root of the following using the square root symbol ($\sqrt{\ }$).

Tulis punca kuasa dua bagi berikutnya dengan menggunakan simbol punca kuasa dua ($\sqrt{\ }$).

(i) $-6 \times (-6) = 36$

(ii) $1.7 \times 1.7 = 2.89$

(iii) $-\frac{1}{4} \times \left(-\frac{1}{4}\right) = \frac{1}{16}$

Answer/*Jawapan:*

(b) Find the value of each of the following without using a calculator.
Cari nilai bagi setiap yang berikut tanpa menggunakan kalkulator.

(i) $\sqrt{1\,936}$

(ii) $\sqrt{400}$

(iii) $\sqrt{81}$

Answer/*Jawapan:*

(c) Find the value of
Cari nilai

(i) $\sqrt[3]{0.729}$

(ii) $\sqrt[3]{12\frac{19}{27}}$

Answer/*Jawapan:*

Question 5/Soalan 5

5. (a) Find the value of each of the following without using a calculator.
Cari nilai bagi setiap yang berikut tanpa menggunakan kalkulator.

(i) $\sqrt{\frac{9}{49}}$

(ii) $\sqrt{\frac{9}{16}}$

(iii) $\sqrt{\frac{9}{25}}$

Answer/*Jawapan:*

(b) Find the product of the following.
Cari hasil darab bagi berikutnya.

(i) $\sqrt{6} \times \sqrt{6}$

(ii) $\sqrt{1.9} \times \sqrt{1.9}$

(iii) $\sqrt{\frac{2}{3}} \times \sqrt{\frac{2}{3}}$

Answer/*Jawapan:*

(c) Calculate the value of each of the following.
Hitung nilai bagi setiap yang berikut.

(i) $\sqrt[3]{\frac{1}{125}} \times 30$

(ii) $\sqrt[3]{0.003375} \times 10^2$

Answer/*Jawapan:*

Question 6/Soalan 6

6. (a) Find the product of the following.
Cari hasil darab bagi berikutnya.

(i) $\sqrt{72} \times \sqrt{8}$

(ii) $\sqrt{54} \times \sqrt{\frac{2}{3}}$

(iii) $\sqrt{\frac{2}{9}} \times \sqrt{\frac{1}{2}}$

Answer/*Jawapan:*

(b) Given that volume of six similar cubes is 3 072 cm^3, find the total surface area, in cm^2, of one cube.
Diberi isipadu enam buah kubus yang serupa ialah 3 072 cm^3, *cari jumlah luas permukaan, dalam* cm^2, *sebuah kubus.*

Answer/*Jawapan:*

(c) Calculate the value of each of the following.
Hitung nilai bagi setiap yang berikut.

(i) $\sqrt[3]{\frac{512}{729}} \times 5$

(ii) $\sqrt[3]{0.512} \times 10^2$

Answer/*Jawapan:*

Question 7/Soalan 7

7. (a) A cube has sides of length 44 cm. It is made into smaller cubes of equal size with sizes of length 4 cm. How many smaller cubes that can be made?
Sebuah kubus mempunyai panjang sisi 44 cm*. Kubus itu digunakan untuk membuat kubus-kubus yang lebih kecil dan sama saiz dengan panjang sisi* 4 cm*. Berapakah kubus-kubus kecil yang dapat dibuat?*

Answer/*Jawapan:*

(b) Expand each of the following as a number multiplied by itself.
Kembangkan setiap yang berikut sebagai suatu nombor didarabkan dengan diri sendiri.
(i) $(-2)^3$
(ii) 0.2^3
(iii) $\left(\frac{2}{3}\right)^3$

Answer/*Jawapan:*

(c) (i) Find the value of:
Cari nilai bagi:

$\sqrt[3]{\frac{1}{8}}$

(ii) Calculate the value of:
Hitung nilai bagi:

$\left(\frac{3}{4} \times \sqrt{64}\right)^2$

Answer/*Jawapan:*

Question 8/Soalan 8

8. (a) Estimate each of the following to the nearest value.
Anggarkan setiap yang berikut kepada nilai yang terdekat.
(i) $(-60.5)^3$
(ii) 9.863^3
(iii) $(-737.7)^3$

Answer/*Jawapan:*

(b) Write the cube root of the following using the cube root symbol.
Tulis punca kuasa tiga bagi berikutnya dengan menggunakan simbol punca kuasa tiga.
(i) $8 \times 8 \times 8 = 512$
(ii) $-9.7 \times (-9.7) \times (-9.7) = -912.673$

(iii) $\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5} = \frac{27}{125}$

Answer/*Jawapan:*

(c) (i) Find the value of:
Cari nilai bagi:

$\sqrt[3]{\frac{1}{64}}$

(ii) Calculate the value of:
Hitung nilai bagi:

$\left(\frac{1}{5} \times \sqrt{100}\right)^2$

Answer/*Jawapan:*

Question 9/Soalan 9

9. (a) Estimate each of the following to the nearest value.
Anggarkan setiap yang berikut kepada nilai terdekat.

(i) $\sqrt[3]{35}$

(ii) $\sqrt[3]{79}$

(iii) $\sqrt[3]{933.9}$

Answer/*Jawapan:*

(b) Find the value of each of the following without using a calculator.
Cari nilai bagi setiap yang berikut tanpa menggunakan kalkulator.

(i) $\sqrt[3]{10}$

(ii) $\sqrt[3]{3}$

(iii) $\sqrt[3]{19}$

Answer/*Jawapan:*

(c) (i) Find the value of:
Cari nilai bagi:

$\sqrt{0.16}$

(ii) Calculate the value of:
Hitung nilai bagi:

$(-1)^2 \div \sqrt[3]{125}$

Answer/*Jawapan:*

Question 10/Soalan 10

10. (a) Find the value of each of the following without using a calculator.
Cari nilai bagi setiap yang berikut tanpa menggunakan kalkulator.

(i) $\sqrt[3]{\frac{125}{216}}$

(ii) $\sqrt[3]{\frac{8}{27}}$

(iii) $\sqrt[3]{\frac{27}{64}}$

Answer/*Jawapan:*

(b) Find the value of each of the following without using a calculator.
Cari nilai bagi setiap yang berikut tanpa menggunakan kalkulator.

(i) $\sqrt[3]{0.15}$

(ii) $\sqrt[3]{4.4}$

(iii) $\sqrt[3]{0.3}$

Answer/*Jawapan:*

(c) Complete the steps below by filling in the boxes with the correct answers.
Lengkapkan langkah-langkah berikut dengan mengisi petak-petak kosong dengan jawapan yang betul.

$$\left(6.6 \div \sqrt[3]{2\frac{10}{27}}\right)^2$$

$$= \left(6.6 \div \sqrt[3]{\frac{\square}{27}}\right)^2$$

$$= \left(6.6 \times \frac{\square}{\square}\right)^2$$

$$= \square$$

Answer/*Jawapan:*

JAWAPAN BAB 1

BAHAGIAN 1

1 C	**2** C	**3** D	**4** B	**5** B
6 B	**7** A	**8** B	**9** D	**10** A
11 B	**12** A	**13** B	**14** B	**15** D
16 D	**17** A	**18** D	**19** D	**20** C
21 C	**22** A	**23** B	**24** C	**25** B
26 D	**27** C	**28** D	**29** B	**30** B
31 B	**32** A	**33** B	**34** C	**35** B
36 D	**37** B	**38** B	**39** B	**40** A
41 B	**42** B	**43** B	**44** C	**45** A
46 D	**47** C	**48** D	**49** B	**50** C
51 B	**52** C	**53** B	**54** B	**55** D
56 A	**57** A	**58** D	**59** B	**60** B
61 B	**62** B	**63** D	**64** A	**65** B
66 B	**67** D	**68** D	**69** D	**70** B
71 D	**72** B	**73** A	**74** C	**75** B
76 C	**77** B	**78** B	**79** B	**80** B

BAHAGIAN 2

1. (a) $(-15°C) - (-11°C)$
$= -15°C + 11°C$
$= -4°C$

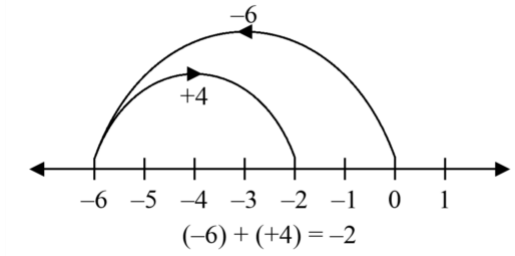
(b) $-12 + (-19 + 3)$
$= -12 + (-16)$
$= -28$

(c) $-20 - (-17)$
$= -20 + 17$
$= -3$

(d) $-25 - (-22) - (-28)$
$= -25 + 22 + 28$
$= -3 + 28$
$= 25$

2. (a) $-31 + (-28)$
$= -31 - 28$
$= -59$

(b)



(c) (i) $12 - (-7) = 19$

(ii) $-20 + 15 + 11$
$= -5 + 11$
$= 6$

3. (a) (i) $x = -23 + 17 + 7$
$= -6 + 7$
$= 1$

(ii) $-18 - (-17) + 4$
$= -1 + 4$
$= 3$

(b) (i) $-1 + (-31) - (-50)$
$= -32 - (-50)$
$= 18$

(ii) $-23 - (-36) + 38$
$= 13 + 38$
$= 51$

(c) $P + Q$
$= -2 + 30$
$= 28$

4. (a) $3°C - (-8)°C$
$= 3°C + 8°C$
$= 11$

(b) $(-2 - (-1))°C$
$= (-2 + 1)°C$
$= -1°C$

(c) Largest integer
Integer terbesar
$= 28$

Smallest integer
Integer terkecil
$= -27$

Sum
Jumlah
$= 28 + (-27)$
$= 1$

5. (a) $P + Q + R$
$= -4 + 0 + 8$
$= -4 + 8$
$= 4$

(b) Integers between -5 and 8
Integer-integer antara -5 *dan* 8
$= -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7$

Sum of negative integers
Jumlah integer-integer negatif
$= (-4) + (-3) + (-2) + (-1)$
$= -10$

(c) If 3200 m to the west is -3 200 m,
Jika 3200 m *ke barat ialah* -3 200 m,
-3 200 m + 1700 m + $(-3$ 700) m
$= -5$ 200 m
= 5 200 m to the west
= 5 200 m *ke barat*

6. (a) $14 \times (-9)$
$= -(14 \times 9)$
$= -126$

(b) $(-10) \times (-4) \times (-8)$
$= +(10 \times 4) \times (-8)$
$= -(10 \times 4 \times 8)$

$= -320$

(c) $40 \div (-10)$
$= -(40 \div 10)$
$= -4$

(d) $32 \div 2 \div 16$
$= +(32 \div 2) \div 16$
$= +(32 \div 2 \div 16)$
$= 1$

7. (a) $-2°C \times 10$
$= -20°C$

(b) $(-25) + (-35) - (-53)$
$= -60 - (-53)$
$= -60 + 53$
$= -7$

(c) RM5 380 ÷ 2
= RM2 690

8. (a) $14 \times (-12) \div (-8)$
$= -168 \div (-8)$
$= +168 \div 8$
$= 21$

(b) $12 \div 3 - (-15)$
$= 4 - (-15)$
$= 4 + 15$
$= 19$

(c) $3 + 4 \times (-13)$
$= 3 + (-52)$
$= 3 - 52$
$= -49$

(d) $(-7) \times 2 - 3\big((-5) - (-6)\big)$
$= (-7) \times 2 - 3(1)$
$= -14 - 3(1)$
$= -14 - 3$
$= -17$

9. (a) Total marks scored by Ahmad
Jumlah markah yang diperoleh Ahmad
$= (19 \times 5) - (1 \times 3)$
$= 95 - 3$
$= 92$

Total marks scored by Jabah
Jumlah markah yang diperoleh Jabah
$= (10 \times 5) - (10 \times 3)$
$= 50 - 30$
$= 20$

Difference
Perbezaan
$= 92 - 20$
$= 72$

(b) $9 - 3 + 3$
$= 6 + 3$
$= 9$

(c) $(-4) - 2 + (1 \times 4)$
$= -6 + (1 \times 4)$
$= -6 + 4$
$= -2°C$

10. (a) (i) $-91 \div 7 + 9$
$= -13 + 9$
$= -4$

(ii) Number of Soccer Club members
Bilangan ahli Kelab Bola Sepak
$= 180 \times \frac{4}{9}$
$= 80$
Number of Badminton Club members
Bilangan ahli Kelab Badminton
$= 80 \times \frac{1}{2}$
$= 40$

(b) $\left(-\frac{4}{5}\right) + \left(-\frac{1}{3}\right)$
$= \left(-\frac{4}{5}\right) - \frac{1}{3}$
$= \frac{-12 - 5}{15}$
$= -\frac{17}{15}$
$= -1\frac{2}{15}$

11. (a) $\left(-\frac{2}{3}\right) - \left(-\frac{2}{13}\right)$
$= \left(-\frac{2}{3}\right) + \frac{2}{13}$
$= \frac{-26 + 6}{39}$
$= -\frac{20}{39}$

(b) $\left(-\frac{13}{18}\right) \times \left(-\frac{2}{13}\right)$
$= \frac{1}{9}$

(c) $\left(-\frac{1}{8}\right) \div \left(-\frac{4}{9}\right)$
$= \left(-\frac{1}{8}\right) \times \left(-\frac{9}{4}\right)$
$= \frac{9}{32}$

(d) $\left(-\frac{1}{18}\right) \div \left(-1\frac{1}{13}\right) \div \left(-1\frac{8}{11}\right)$
$= \left(-\frac{1}{18}\right) \div \left(-\frac{14}{13}\right) \div \left(-\frac{19}{11}\right)$
$= \left(-\frac{1}{18}\right) \times \left(-\frac{13}{14}\right) \times \left(-\frac{11}{19}\right)$
$= \frac{13}{252} \times \left(-\frac{11}{19}\right)$
$= -\frac{143}{4\,788}$

12. (a) $(-3.4) + (-9.26)$
$= -3.4 - 9.26$
$= -12.66$

(b) $(-6.6) + 2.25 + 6.44$
$= -4.35 + 6.44$
$= 2.09$

(c) $(-8.6) - 7.72 - (-2.44)$
$= -8.6 - 7.72 + 2.44$
$= -16.32 + 2.44$
$= -13.88$

(d) $6.4 \times 7.7 \times 2.2$
$= 49.28 \times 2.2$
$= 108.416$

13. (a) $3.06 \div 1.5 \div (-1.5)$
$= 2.04 \div (-1.5)$
$= -1.36$

(b)

14. (a) $6.4 - 2.17$
$= 4.23$

(b) $(-1.4) \times 4.8$
$= -6.72$

(c) $9.12 \div (-9.5)$
$= -0.96$

15. (a) $-3 + \left(-1\frac{1}{2}\right)$
$= -3 - 1\frac{1}{2}$
$= -\frac{6}{2} - \frac{3}{2}$
$= -\frac{9}{2}$
$= -4\frac{1}{2}$

(b) $-5.8 \times 1.8 - 1\frac{1}{4}$
$= -10.44 - 1\frac{1}{4}$
$= -10.44 - 1.25$
$= -11.69$

(c) $15 - (-9.8) \div \left(-\frac{1}{2}\right)$
$= 15 + 9.8 \times \left(-\frac{2}{1}\right)$
$= 15 - 19.6$
$= -4.6$

16. (a) $-7 - (6.71 - 7.51) \div 20$
$= -7 - (-0.8) \div 20$
$= -7 + 0.8 \div 20$
$= -7 + 0.04$
$= -6.96$

(b) $-8 \times \left(2.62 + 2.76 \div 1\frac{1}{5}\right)$
$= -8 \times \left(2.62 + 2.76 \times \frac{5}{6}\right)$
$= -8 \times (2.62 + 2.3)$
$= -8 \times 4.92$
$= -39.36$

(c) $6 - 5\frac{2}{3}$
$= \frac{18}{3} - \frac{17}{3}$
$= \frac{1}{3}$

(d) $-9 + 4.7$
$= -4.3$

17. (a) $8 - (-1.6)$
$= 8 + 1.6$
$= 9.6$

(b) $3.4 + \left(-5\frac{7}{9}\right)$
$= 3.4 + (-5.78)$
$= 3.4 - 5.78$
$= -2.38$

(c) $12.4 - 5\frac{2}{5}$
$= 12.4 - 5.4$
$= 7$

18. (a) 9.63×2
$= 19.26$

(b) $-8.54 \div 8$
$= -(8.54 \div 8)$
$= -1.07$

(c) $-13.7 \times 4\frac{5}{9}$
$= -(13.7 \times 4.56)$
$= -62.41$

(d) $-13.5 \div 2\frac{1}{2}$
$= -(13.5 \div 2.5)$
$= -5.4$

19. (a) $-510 + \left(60\frac{1}{3} \times 9\right) - 770.5$
$= -510 + (60.33 \times 9) - 770.5$
$= -510 + 543 - 770.5$
$= 33 - 770.5$
$= -737.5$ m

(b) $-8 + 7.5 \div \frac{1}{3}$

$= -8 + 7.5 \times \frac{3}{1}$

$= -8 + 22.5$

$= 14.5$

20. (a) $17 + (1\frac{3}{4} \times -2\frac{1}{9})$

$= 17 + (\frac{7}{4} \times -\frac{19}{9})$

$= 17 + (-\frac{133}{36})$

$= \frac{479}{36}$

$= 13\frac{11}{36}$

(b) $(\frac{1}{7} + \frac{3}{7}) \div 2$

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

$= \frac{2}{7}$ m

JAWAPAN BAB 2

BAHAGIAN 1

1 B	**2** A	**3** B	**4** B	**5** B
6 D	**7** C	**8** B	**9** B	**10** D
11 A	**12** B	**13** C	**14** D	**15** A
16 B	**17** B	**18** B	**19** C	**20** C
21 C	**22** B	**23** A	**24** B	**25** A
26 B	**27** A	**28** C	**29** C	**30** A
31 A	**32** D	**33** C	**34** C	**35** B
36 D	**37** B	**38** C	**39** B	**40** B
41 C	**42** B			

BAHAGIAN 2

1. (a) (i) 5
(ii) 89
(b) 6
(c) 89

2. (a) (i) Yes
Ya
(ii) No
Tidak
(iii) No
Tidak
(b) (i) 79, 83, 89
(ii) 11, 13, 17, 19, 23
(c) All prime numbers in the range:
Semua nombor perdana di julat:
23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89

3. (a) 1, 5, 19, 95
(b) $9 - 3 = 6$
(c) (i) Yes
Ya
(ii) No
Tidak
(iii) Yes
Ya
(d) Sample answer:
Contoh jawapan:
108 (1, 2, 3, 4, 6, 9, 12 ,18, 24, 36, 54, 108)

4. (a) 3, 19
(b) $2 + 37 = 39$
(c) $11 - 2 = 9$
(d) (i) Yes
Ya
(ii) No
Tidak
(iii) No
Tidak
(e) Sample answer:
Contoh jawapan:
6, 12, 18

5. (a) $34 + 51 + 68 = 153$
(b) $40 - 20 = 20$
(c) 48, 51, 54, 57, 60, 63
(d) (i) No
Tidak
(ii) No
Tidak
(iii) Yes
Ya

6. (a) 60
(b) 24
(c) $y + 9 = 48$
$y = 48 - 9$
$y = 39$

7. (a) (i) 21
(ii) 30
(b) (i) Yes
Ya
(ii) No
Tidak
(c) (i) 20
(ii) 72
(iii) 70
(iv) 90

8. (a) Sample answer:
Contoh jawapan:
7, 11, 13 1001, 2002, 3003
(b) Sample answer:
Contoh jawapan:

7,11,13

(c) Multiples of 3
Gandaan bagi 3
3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42

Multiples of 7
Gandaan bagi 7
7, 14, 21, 28, 35, 42

Common multiples:
Gandaan sepunya:
21, 42

9. (a) 1, 2, 4
(b) $54 - 9 = 45$
(c) $6 + 84 = 90$
(d) (i) 1, 2, 4
(ii) 1, 2, 4

10. (a) (i) Yes
Ya
(ii) Yes
Ya
(iii) No
Tidak
(b) (i) 13
(ii) 2
(iii) 25
(iv) 8

JAWAPAN BAB 3

BAHAGIAN 1

1 C	**2** A	**3** D	**4** B	**5** C
6 B	**7** A	**8** B	**9** D	**10** C
11 B	**12** B	**13** A	**14** D	**15** C
16 B	**17** B	**18** C	**19** D	**20** C
21 C	**22** C	**23** C	**24** C	**25** D
26 B	**27** B	**28** C	**29** D	**30** B
31 B	**32** B	**33** C	**34** C	**35** B
36 C	**37** A	**38** C	**39** D	**40** A
41 A	**42** B	**43** D	**44** D	**45** A
46 A	**47** A	**48** A	**49** A	**50** C

BAHAGIAN 2

1. (a) $\left(2\frac{2}{3}\right)^2 - \left(\frac{5}{6}\right)^2$
$= \left(\left(2\frac{2}{3}\right) \times \left(2\frac{2}{3}\right)\right) - \left(\left(\frac{5}{6}\right) \times \left(\frac{5}{6}\right)\right)$
$= \left(\left(\frac{8}{3}\right) \times \left(\frac{8}{3}\right)\right) - \left(\left(\frac{5}{6}\right) \times \left(\frac{5}{6}\right)\right)$
$= \frac{64}{9} - \frac{25}{36}$
$= \frac{256}{36} - \frac{25}{36}$
$= 6\frac{5}{12}$

(b) (i) $-4 \times (-4) = (-4)^2$
(ii) $2.9 \times 2.9 = 2.9^2$
(iii) $\frac{1}{6} \times \frac{1}{6} = \left(\frac{1}{6}\right)^2$

(c) (i) $(-2)^3 - 5^3$
$= (-8) - 125$
$= -133$
(ii) $(6.4^2 - 9.96)^3$
$= (40.96 - 9.96)^3$
$= 31^3$
$= 29\,791$

2. (a) (i) $(-5)^2 = -5 \times (-5)$
(ii) $2.6^2 = 2.6 \times 2.6$
(iii) $\left(-\frac{5}{6}\right)^2 = -\frac{5}{6} \times \left(-\frac{5}{6}\right)$

(b) 144, 169, 196, 225, 256, 289, 324, 361, 400

(c) (i) $3^3 - (-4)^3$
$= 27 - (-64)$
$= 91$
(ii) $(2.9^2 - 5.41)^3$
$= (8.41 - 5.41)^3$
$= 3^3$
$= 27$

3. (a) $\sqrt{410}$
$= \sqrt{4.1 \times 100}$
$= \sqrt{4.1} \times \sqrt{100}$
$= 2 \times 10$
$= 20$

(b) $\sqrt{6\frac{1}{4} - 8}$
$= \sqrt{\frac{25}{4} - 8}$
$= \sqrt{\left(\frac{5}{2}\right)^2 - 8}$
$= \frac{5}{2} - 8$
$= -5\frac{1}{2}$

(c) (i) $\sqrt[3]{0.064}$
$= \sqrt[3]{0.4^3}$
$= 0.4$
(ii) $\sqrt[3]{\frac{8}{27}}$
$= \sqrt[3]{\left(\frac{2}{3}\right)^3}$

$= \frac{2}{3}$

4. (a) (i)
$\sqrt{36}$
$= \sqrt{-6 \times (-6)}$
$= -6$

(ii)
$\sqrt{2.89}$
$= \sqrt{1.7 \times 1.7}$
$= 1.7$

(iii)
$\sqrt{\frac{1}{16}}$
$= \sqrt{-\frac{1}{4} \times \left(-\frac{1}{4}\right)}$
$= -\frac{1}{4}$

(b) (i)
$\sqrt{1\,936}$
$= \sqrt{44 \times 44}$
$= \sqrt{44^2}$
$= 44$

(ii)
$\sqrt{400}$
$= \sqrt{20 \times 20}$
$= \sqrt{20^2}$
$= 20$

(iii)
$\sqrt{81}$
$= \sqrt{9 \times 9}$
$= \sqrt{9^2}$
$= 9$

(c) (i)
$\sqrt[3]{0.729}$
$= \sqrt[3]{0.9^3}$
$= 0.9$

(ii)
$\sqrt[3]{12\frac{19}{27}}$
$= \sqrt[3]{\frac{343}{27}}$
$= \sqrt[3]{\left(\frac{7}{3}\right)^3}$
$= \frac{7}{3}$

5. (a) (i)
$\sqrt{\frac{9}{49}}$
$= \frac{\sqrt{9}}{\sqrt{49}}$
$= \frac{3}{7}$

(ii)
$\sqrt{\frac{9}{16}}$
$= \frac{\sqrt{9}}{\sqrt{16}}$
$= \frac{3}{4}$

(iii)
$\sqrt{\frac{9}{25}}$
$= \frac{\sqrt{9}}{\sqrt{25}}$
$= \frac{3}{5}$

(b) (i)
$\sqrt{6} \times \sqrt{6}$
$= (\sqrt{6})^2$
$= 6$

(ii)
$\sqrt{1.9} \times \sqrt{1.9}$
$= (\sqrt{1.9})^2$
$= 1.9$

(iii)
$\sqrt{\frac{2}{3}} \times \sqrt{\frac{2}{3}}$
$= (\sqrt{\frac{2}{3}})^2$
$= \frac{2}{3}$

(c) (i)
$\sqrt[3]{\frac{1}{125}} \times 30$
$= \sqrt[3]{\left(\frac{1}{5}\right)^3} \times 30$
$= \frac{1}{5} \times 30$
$= 6$

(ii)
$\sqrt[3]{0.003375} \times 10^2$
$= \sqrt[3]{(0.15)^3} \times 100$

$= 0.15 \times 100$
$= 15$

6. (a) (i)
$\sqrt{72} \times \sqrt{8}$
$= \sqrt{72 \times 8}$
$= \sqrt{576}$
$= 24$

(ii)
$\sqrt{54} \times \sqrt{\frac{2}{3}}$
$= \sqrt{54 \times \frac{2}{3}}$
$= \sqrt{36}$
$= 6$

(iii)
$\sqrt{\frac{2}{9}} \times \sqrt{\frac{1}{2}}$
$= \sqrt{\frac{2}{9} \times \frac{1}{2}}$
$= \sqrt{\frac{1}{9}}$
$= \frac{1}{3}$

(b) Volume of a cube
Isipadu sebuah kubus
$= 512 \text{ cm}^3$

The length of side of a cube
Panjang sisi sebuah kubus
$= 8 \text{ cm}$

Total surface area of a cube
Jumlah luas permukaan sebuah kubus
$= 6 \times (8 \text{ cm} \times 8 \text{ cm})$
$= 6 \times 64 \text{ cm}^2$
$= 384 \text{ cm}^2$

(c) (i)
$\sqrt[3]{\frac{512}{729}} \times 5$
$= \sqrt[3]{\left(\frac{8}{9}\right)^3} \times 5$
$= \frac{8}{9} \times 5$
$= \frac{40}{9}$
$= 4\frac{4}{9}$

(ii)
$\sqrt[3]{0.512} \times 10^2$
$= \sqrt[3]{(0.8)^3} \times 100$
$= 0.8 \times 100$
$= 80$

7. (a) $(44 \times 44 \times 44) \text{ cm}^3 \div (4 \times 4 \times 4) \text{ cm}^3$
$= 85184 \text{ cm}^3 \div 64 \text{ cm}^3$
$= 1\,331$

(b) (i) $(-2)^3 = -2 \times (-2) \times (-2)$
(ii) $0.2^3 = 0.2 \times 0.2 \times 0.2$
(iii) $\left(\frac{2}{3}\right)^3 = \frac{2}{3} \times \frac{2}{3} \times \frac{2}{3}$

(c) (i) $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = \frac{1}{8}$
$\therefore \sqrt[3]{\frac{1}{8}} = \frac{1}{2}$

(ii) $\left(\frac{3}{4} \times \sqrt{64}\right)^2$
$= \left(\frac{3}{4} \times 8\right)^2$
$= 6^2$
$= 36$

8. (a) (i) $(-60.5)^3$
$\approx (-60)^3$
$\approx -60 \times (-60) \times (-60)$
$\approx -216\,000$

(ii) 9.863^3
$\approx 10^3$
$\approx 10 \times 10 \times 10$
$\approx 1\,000$

(iii) $(-737.7)^3$
$\approx (-700)^3$
$\approx -700 \times (-700) \times (-700)$
$\approx -343\,000\,000$

(b) (i)
$\sqrt[3]{512}$
$= \sqrt[3]{8 \times 8 \times 8}$
$= 8$

(ii)
$\sqrt[3]{-912.673}$
$= \sqrt[3]{-9.7 \times (-9.7) \times (-9.7)}$
$= -9.7$

(iii)
$\sqrt[3]{\frac{27}{125}}$
$= \sqrt[3]{\frac{3}{5} \times \frac{3}{5} \times \frac{3}{5}}$
$= \frac{3}{5}$

(c) (i) $\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} = \frac{1}{64}$

$\therefore \sqrt[3]{\frac{1}{64}} = \frac{1}{4}$

(ii) $\left(\frac{1}{5} \times \sqrt{100}\right)^2$

$= \left(\frac{1}{5} \times 10\right)^2$

$= 2^2$

$= 4$

9. (a) (i) $\sqrt[3]{35} \approx \sqrt[3]{27} \approx 3$

(ii) $\sqrt[3]{79} \approx \sqrt[3]{64} \approx 4$

(iii) $\sqrt[3]{933.9} \approx \sqrt[3]{934} \approx \sqrt[3]{1\,000} \approx 10$

(b) (i) $\sqrt[3]{10}$

$= \sqrt[3]{10 \times 10 \times 10}$

$= \sqrt[3]{10^3}$

$= 10$

(ii) $\sqrt[3]{3}$

$= \sqrt[3]{3 \times 3 \times 3}$

$= \sqrt[3]{3^3}$

$= 3$

(iii) $\sqrt[3]{19}$

$= \sqrt[3]{19 \times 19 \times 19}$

$= \sqrt[3]{19^3}$

$= 19$

(c) (i) $\sqrt{0.16}$

$= \sqrt{0.4 \times 0.4}$

$= 0.4$

(ii) $(-1)^2 \div \sqrt[3]{125}$

$= 1 \div \sqrt[3]{5 \times 5 \times 5}$

$= 1 \div 5$

$= \frac{1}{5}$

10. (a) (i) $\sqrt[3]{\frac{125}{216}}$

$= \frac{\sqrt[3]{125}}{\sqrt[3]{216}}$

$= \frac{5}{6}$

(ii) $\sqrt[3]{\frac{8}{27}}$

$= \frac{\sqrt[3]{8}}{\sqrt[3]{27}}$

$= \frac{2}{3}$

(iii) $\sqrt[3]{\frac{27}{64}}$

$= \frac{\sqrt[3]{27}}{\sqrt[3]{64}}$

$= \frac{3}{4}$

(b) (i) $\sqrt[3]{0.15}$

$= \sqrt[3]{0.15 \times 0.15 \times 0.15}$

$= \sqrt[3]{0.15^3}$

$= 0.15$

(ii) $\sqrt[3]{4.4}$

$= \sqrt[3]{4.4 \times 4.4 \times 4.4}$

$= \sqrt[3]{4.4^3}$

$= 4.4$

(iii) $\sqrt[3]{0.3}$

$= \sqrt[3]{0.3 \times 0.3 \times 0.3}$

$= \sqrt[3]{0.3^3}$

$= 0.3$

(c) $\left(6.6 \div \sqrt[3]{2\frac{10}{27}}\right)^2$

$= \left(6.6 \div \sqrt[3]{\frac{64}{27}}\right)^2$

$= \left(6.6 \times \frac{3}{4}\right)^2$

$= 24.503$

Anak Masih Lemah, Tak Minat & Tak Fokus Dalam Matematik?

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