

- 31 Siti, Rasyidah dan Zawani berkongsi 576 keping setem dalam nisbah 5:8:3. Cari beza bilangan setem antara Siti dengan Zawani.

Siti, Rasyidah and Zawani share 576 stamps in the ratio of 5:8:3. Find the difference number of stamps between Siti and Zawani.

- A 64
- B 68
- C 72
- D 76

- 32 Rajah 15 menunjukkan plot batang-dan-daun bagi umur pekerja di sebuah pasar raya.

Diagram 15 shows the stem-and-leaf plot for the age of workers in a supermarket.

Batang Stem	Daun Leaf
2	3 4 9 9
3	0 1 3 5 7
4	1 3 3 3 4 5 8
5	3 5 5 9

Kekunci : 2 | 3 bermaksud 23
Key : 2 | 3 means 23

Rajah 15
Diagram 15

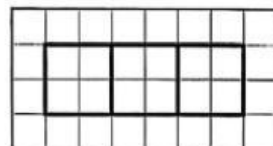
Cari min bagi umur pekerja pasar raya itu.

Find the mean age of the supermarket workers.

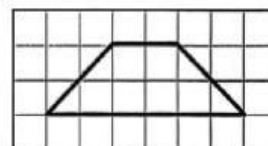
- A 23
- B 30
- C 40
- D 59

- 33 Rajah 16 menunjukkan pelan dan dongakan depan bagi sebuah pepejal.

Diagram 16 shows the plan and the front elevation of a solid.



Pelan
Plan



Dongakan depan
Front elevation

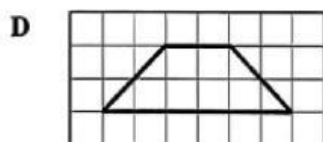
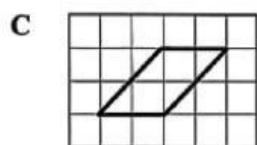
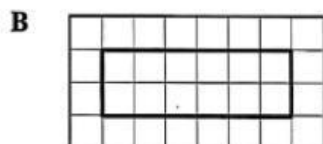
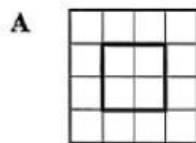
Rajah 16
Diagram 16

Antara rajah berikut, yang manakah dongakan sisi bagi pepejal itu?

Which of the following diagrams is the side elevation of the solid?

Diagram 10

Antara rajah berikut, yang manakah dongakan sisi bagi pepejal itu?
Which of the following diagrams is the side elevation of the solid?



34 Pernyataan manakah adalah benar?

Which of the statements is true?

- A** Jika $7 + 3 \times 4 = 40$, maka $3 \times 4 = 12$.
If $7 + 3 \times 4 = 40$, then $3 \times 4 = 12$.
- B** Semua faktor bagi 16 boleh dibahagi dengan 2.
All the factors of 16 can be divided by 2.
- C** Jika $x < y$, maka $\frac{2}{x} < \frac{2}{y}$.
If $x < y$, then $\frac{2}{x} < \frac{2}{y}$.
- D** $X^2 - Y^2 = (X - Y)(X - Y)$

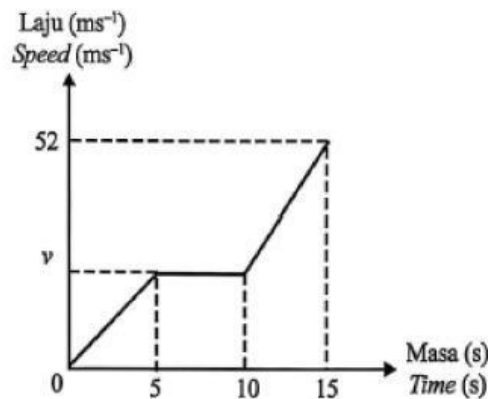
- 35 Antara jujukan nombor berikut, yang manakah mempunyai pola yang sama dengan jujukan nombor di bawah?

Which of the following number sequences has the same pattern as the number sequence below?

37, 33, 29, 25, 21, ...

- A 4, 8, 12, 15, 17, ...
B -2, -6, -10, -13, -16, ...
C -8, -12, -16, -20, -24, ...
D 20, 16, 14, 11, 9, ...
- 36 Terdapat 4 biji bola berwarna merah dan 3 biji bola berwarna biru di dalam sebuah bakul. Dua biji bola dipilih secara rawak dari bakul itu, satu demi satu dengan pengembalian. Cari kebarangkalian bahawa kedua-dua bola yang dipilih mempunyai warna yang sama.
There are 4 red balls and 3 blue balls in a basket. Two balls are selected at random from the basket, one at a time with replacement. Find the probability that the two balls selected are of the same colour.
- A $\frac{3}{7}$
B $\frac{4}{7}$
C $\frac{18}{49}$
D $\frac{25}{49}$
- 37 Diberi sisihan piawai bagi satu set data $Y_1, Y_2, Y_3, \dots, Y_n$ ialah β . Cari varians bagi set data $3(Y_1 - 2), 3(Y_2 - 2), 3(Y_3 - 2), \dots, 3(Y_n - 2)$.
Given the standard deviation of a set of data $Y_1, Y_2, Y_3, \dots, Y_n$ is β . Find the variance of the set of data $3(Y_1 - 2), 3(Y_2 - 2), 3(Y_3 - 2), \dots, 3(Y_n - 2)$.
- A 3β
B $3\beta^2$
C 6β
D $9\beta^2$

- 38 Rajah 17 menunjukkan graf laju-masa bagi gerakan sebuah kereta.
Diagram 17 shows a speed-time graph for the movement of a car.



Rajah 17
Diagram 17

Diberi jarak yang dilalui dalam tempoh 10 saat terakhir ialah 280 m. Hitung nilai v .
Given the distance travelled in the last 10 seconds is 280 m. Calculate the value of v .

- A 19
B 20
C 22
D 25
- 39 Encik Azri menerima pendapatan aktif sebanyak RM5 000 dan pendapatan pasif sebanyak RM1 000 dalam sebulan. Encik Azri memperuntukkan 10% daripada jumlah pendapatan sebagai simpanan tetap bulanan. Encik Azri mempunyai perbelanjaan tetap sebanyak RM2 600 dan perbelanjaan tidak tetap sebanyak RM1 900 sebulan. Berapakah aliran tunai bulanan Encik Azri?
Encik Azri receives an active income of RM5 000 and a passive income of RM1 000 a month. Encik Azri allocates 10% of his total income as a monthly fixed deposit. Encik Azri has fixed expenses of RM2 600 and variable expenses of RM1 900 a month. What is Encik Azri's monthly cash flow?
- A RM900
B RM1 000
C RM1 500
D RM2 100

- 40 Jadual 3 menunjukkan markah yang diperoleh sekumpulan murid dalam satu ujian Matematik.
Table 3 shows the marks obtained by a group of students in a Mathematics test.

Markah <i>Mark</i>	Kekerapan <i>Frequency</i>	Kekerapan longgokan <i>Cumulative frequency</i>
30 – 39	4	4
40 – 49	5	9
50 – 59	p	19
60 – 69	9	q
70 – 79	12	40

Jadual 3
Table 3

Apakah nilai $p + q$?
What is the value of $p + q$?

- A 38
- B 40
- C 49
- D 52