

1. $3p + 2 - (2p - 4) =$

- ☐ A $p - 2$
☐ B $p + 6$
☐ C $p - 4$
☐ D $5p + 6$

2. What is the coefficient of p in $-\frac{1}{2}p$?
Apakah pekali bagi p dalam $-\frac{1}{2}p$?

- ☐ A $-\frac{1}{2}$
☐ B $\frac{1}{2}$
☐ C p
☐ D $\frac{1}{2}p$

3. Given $p = 2$, $q = 4$ and $r = -1$, find the value of $3q - p + 2r^2$.
Diberi $p = 2$, $q = 4$ dan $r = -1$, cari nilai bagi $3q - p + 2r^2$.

- ☐ A 4
☐ B 6
☐ C 8
☐ D 12

4. State the number of terms in the expression $7x + 1$.
Nyatakan bilangan sebutan dalam ungkapan $7x + 1$.

Answer / Jawapan: _____

Jawapan:

5. $6 - 4x - 2 + 2x$

State the number of terms in the above expression.
Nyatakan bilangan sebutan dalam ungkapan di atas.

- ☐ A 1
☐ B 2
☐ C 3
☐ D 4

6. $\frac{20wx - 40}{5} - \frac{16 + 8wx}{4} =$

- ☐ A $2wx - 12$
☐ B $2wx + 12$
☐ C $6wx - 12$
☐ D $12wx - 56$

7. $-17r + 8s - (-9r - 15s) =$

- ☐ A $-26r + 23s$
☐ B $-8r + 23s$
☐ C $-8r - 7s$
☐ D $26r + 23s$

8. Emran drove from town P to town Q. After driving for R km, he stopped at station S for a rest. After T minutes, he continued his journey until he reached his destination.
 Emran memandu dari bandar P ke bandar Q. Setelah memandu sejauh R km, dia berehat di stesen S. Selepas T minit, dia sambung perjalanan sehingga dia tiba di destinasi.

Which of the following are the variables?
 Antara berikut, yang manakah ialah pemboleh ubah?

- ☐ A P and R
 P dan R
☐ B R and T
 R dan T
☐ C Q and T
 Q dan T
☐ D R and S
 R dan S

9. Simplify:
 Permudahkan:

$$(-gh + 4mn) - (mn + 5gh - 2)$$

- ☐ A $3mn - 6gh + 2$
☐ B $3mn - 4gh + 2$
☐ C $5mn - 6gh + 2$
☐ D $5mn - 4gh - 2$

10. Which of the following is the like term of $-\frac{p}{6}$?

Antara berikut, yang manakah merupakan sebutan serupa bagi $-\frac{p}{6}$?

- ☐ A $-\frac{q}{6}$
☐ B $-6r$
☐ C $3p$
☐ D $\frac{3s}{2}$

11. Simplify:
Permudahkan:

$$p - 5q - 3(p + 3q)$$

- ☐ A $-4p - 4q$
☐ B $-2p - 14q$
☐ C $4p + 4q$
☐ D $2p + 14q$

12. Given $x = -4$ and $y = 3$, evaluate $\frac{2xy - 3x}{4}$.

Diberi $x = -4$ dan $y = 3$, nilaikan $\frac{2xy - 3x}{4}$.

- ☐ A -9
☐ B -3
☐ C 3
☐ D 9

13. State the coefficient of $\frac{f}{3}$ in the term $\frac{df}{3}$.

Nyatakan pekali bagi $\frac{f}{3}$ dalam sebutan $\frac{df}{3}$.

Answer / Jawapan: _____

Jawapan:

14. Evaluate $12pq + 6q$ when $p = -2$ and $q = \frac{1}{3}$.

Nilaikan $12pq + 6q$ apabila $p = -2$ dan $q = \frac{1}{3}$.

- ☐ A -10
☐ B -8
☐ C -6
☐ D -4

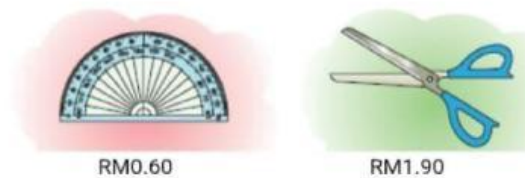
15. Khairrul pays a worker to mow his land as shown below.
Khairrul membayar seorang pekerja untuk memotong rumput di tanahnya seperti yang ditunjukkan di bawah.



He pays RMx for 1 m^2 . How much does he pay the worker?
Dia membayar RMx untuk 1 m^2 . Berapakah dia bayar kepada pekerja itu?

- ☐ A $\text{RM}4\,500x^2$
☐ B $\text{RM}4\,500 + x$
☐ C $\text{RM}4\,500x$
☐ D $\text{RM}90x + \text{RM}50x$

16. The diagram shows the prices of two items sold in a book shop.
Rajah di bawah menunjukkan harga bagi dua jenis barang yang dijual di sebuah kedai buku.



Jana pays $\text{RM}(2w + 5x)$ for x protractors, y pairs of scissors and a workbook.
Express the price of the workbook in terms of w , x and y .
*Jana membayar $\text{RM}(2w + 5x)$ untuk x buah protractor, y bilah gunting dan sebuah buku kerja.
Ungkapkan harga bagi buku kerja itu dalam sebutan w , x dan y .*

- ☐ A $2w + 5.6x - 1.9y$
☐ B $2w + 4.4x - 1.9y$
☐ C $2w - 4.4x + 1.9y$
☐ D $2w + 5.6x + 1.9y$

17. Simplify:
Permudahkan:
 $y - 5x^2z - 4y - 2x^2z + 8y$

- ☐ A $3y - 3x^2z$
☐ B $3y - 7x^2z$
☐ C $5y - 3x^2z$
☐ D $5y - 7x^2z$

18. Simplify:
Permudahkan:
 $4mn \times 3mn^2$

- ☐ A $12m^2n^3$
☐ B $12mn^3$
☐ C $12m^3n^2$
☐ D $12m^2n^2$

19.

Write $5 \times a \times a \times b \times \frac{1}{2}$ as an algebraic term.

Tulis $5 \times a \times a \times b \times \frac{1}{2}$ sebagai satu sebutan algebra.

- ☐ A $5ab$
- ☐ B $\frac{5}{2}ab$
- ☐ C $10a^2b$
- ☐ D $\frac{5}{2}a^2b$

20.

Simplify:

Permudahkan:

$$15v + 12x + (-3v) + 3$$

- ☐ A $12v + 3x + 3$
- ☐ B $12v + 12x + 3$
- ☐ C $18v + 3x + 3$
- ☐ D $18v + 12x + 3$