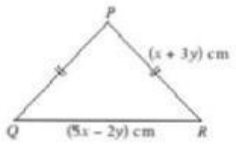
1. $9m^2n - 4mn + 5m^2n - 8mn = 14m^2n - \square$

The missing expression is
Ungkapan yang tertinggal ialah

- A $-12mn$
- B $-4mn$
- C $4mn$
- D $12mn$

2. The diagram shows an isosceles triangle *PQR*.
Rajah di bawah menunjukkan sebuah segi tiga sama kaki PQR.



Find the perimeter, in cm, of the triangle.
Cari perimeter, dalam cm, segi tiga itu.

- A $6x + y$
- B $7x + y$
- C $7x + 4y$
- D $12x + 2y$

3. Simplify:
Permudahkan:

$$3y + 7x + 12x - 6y + 2$$

- A $10x + 6y + 2$
- B $15x + y + 2$
- C $19x - 3y + 2$
- D $19x + 3y + 2$

4. Which of the following algebraic terms are **not** like terms?
Antara sebutan algebra berikut, yang manakah **bukan** *sebutan serupa?*

- A $65pqr$, $7qpr$, $0.4rqp$
- B $24stu$, tus, $3.4uts$
- C $4jkr^3$, $0.4j^3kr$, $40r^3jk$
- D $\frac{hrk}{2}$, $8rhk$, $0.5hkr$

5. How many terms are there in the algebraic expression $xyz + yz - 8$?
Berapakah bilangan sebutan yang terdapat dalam ungkapan algebra $xyz + yz - 8$?

- A 1
- B 2
- C 3
- D 4

LIVEWORKSHEETS

6. Simplify:
Permudahkan:

$$3x - 6 - 4x + 9$$

- A $-7x + 3$
- B $-x - 3$
- C $-x + 3$
- D $x + 3$

7. $\frac{4rs - 6st}{2} + \frac{3st - 9rs}{3} =$

- A $-rs - 2st$
- B $-rs + 4st$
- C $3rs - 6st$
- D $3rs - 2st$

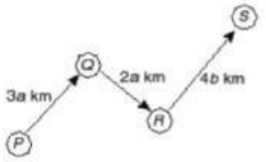
8. The coefficient of k in $-1.2k$ is
Pekali bagi k dalam $-1.2k$ ialah

- A k
- B -1.2
- C -1
- D 1.2

9. Which of the following is the like term of $8g$?
Antara berikut, yang manakah merupakan sebutan serupa bagi $8g$?

- A $8h$
- B $-8k$
- C $6f$
- D $-6g$

10. The diagram shows the distances travelled by Rick between 4 cities, *P, Q, R* and *S*.
Rajah di bawah menunjukkan jarak yang dilalui oleh Rick di antara 4 bandar, P, Q, R dan S.



What is the total distance, in km, travelled by him?
Berapakah jumlah jarak, dalam km, yang dilaluinya?

- A $a + 4b$
- B $3a - 4b$
- C $5a + 4b$
- D $6a - 4b$

11. The coefficient of r in the term $-5r$ is
Pekali bagi r dalam sebutan $-5r$ ialah

- A -5
- B -1
- C 5
- D m

LIVEWORKSHEETS

11. The coefficient of r in the term $-5r$ is
Pekali bagi r dalam sebutan $-5r$ ialah

- **A** -5
- **B** -1
- **C** 5
- **D** m

12. $11 - 2p - 7 + 4p =$

- **A** $-4 - 6p$
- **B** $4 - 6p$
- **C** $4 + 2p$
- **D** $4 - 2p$

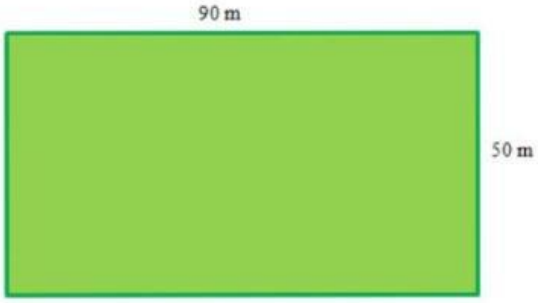
13. Mena bought x kg of sugar and y kg of salt. Find an algebraic expression for the total mass, in kg, of the products that she bought.
Mena membeli x kg gula dan y kg garam. Cari satu ungkapan algebra bagi jumlah jisim, dalam kg, semua barangan yang dibelinya.

- **A** xy
- **B** $x + y$
- **C** $2x + 2y$
- **D** $2xy$

14. A rectangular field is $(2h + k)$ m long and $(3h - 2k)$ m wide. Find its perimeter, in m.
Sebuah padang yang berbentuk segi empat tepat berukuran $(2h + k)$ m panjang dan $(3h - 2k)$ m lebar. Cari perimeternya, dalam m.

- **A** $5h - k$
- **B** $5h + k$
- **C** $10h - 2k$
- **D** $10h + k$

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** RM4 $500x^2$
- **B** RM4 $500 + x$
- **C** RM4 $500x$
- **D** RM$90x$ + RM$50x$

LIVEWORKSHEETS

16. $4(3ab - 2ac) + (5ab - 3ac) =$

- A $12ab - 9ac$
- B $17ab - 11ac$
- C $17ab - 5ac$
- D $17ab + 5ac$

17. $5g - 8f + 11g - 2f =$

- A $16g - 10f$
- B $16g + 10f$
- C $10f + 6g$
- D $-6g + 10f$

18. Simplify:
Permudahkan:

$$10(x - 3) + 7(x - 3)$$

- A $x - 3$
- B $17x - 9$
- C $17 + x - 3$
- D $17(x - 3)$

19. $16h - 5 - h + g + 2h =$

- A $18h + g + 5$
- B $18h - g + 5$
- C $17h + g - 5$
- D $17h + g + 5$

20. Which of the following expressions has 3 terms?
Antara ungkapan berikut, yang manakah mempunyai 3 sebutan?

- A $3x + 4y + 6x - 4$
- B $17g + 18$
- C $2x - 16y + 8$
- D $11x - 20h$

LIVEWORKSHEETS