

Ungkapan Algebra

Algebraic Expressions

Skor

30

Bahagian A

1. Antara ungkapan algebra berikut, yang manakah mempunyai dua pemboleh ubah dan tiga sebutan? **SK 5.1 TP1**
Which of the following algebraic expressions has two variables and three terms?

- A $x + y + z$
B $2x + yz + x$
C $3x + x + 2$
D $4x + y + 1$

2. Ungkapan algebra yang manakah mempunyai sebutan serupa? **SK 5.1 TP2**
Which algebraic expression has like terms?

- A $x + 4y - 2$
B $2x + xy$
C $2xy - x + xy$
D $3 - \frac{1}{2}x + \frac{1}{2}y$

3. Permudahkan $(2p + q) - (3p - q - 4)$.
Simplify $(2p + q) - (3p - q - 4)$.

SK 5.2 TP3

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

4. $(x + y)^4 =$

SK 5.2 TP3

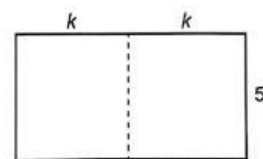
- A $4(x + y)$
B $x^4 + y^4$
C $4(x^4 + y^4)$
D $(x + y) \times (x + y) \times (x + y) \times (x + y)$

5. Antara berikut, yang manakah boleh mewakili ungkapan $2k + 3k$?

Which of the following could represent the expression $2k + 3k$? **SK 5.2 TP3**

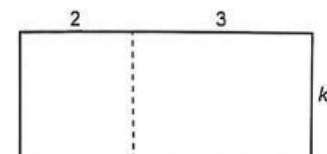
- A Luas rajah ini

The area of this diagram



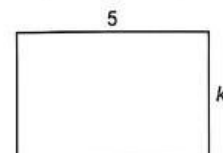
- B Luas rajah ini

The area of this diagram



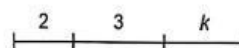
- C Perimeter rajah ini

The perimeter of this diagram



- D Panjang tembereng garis ini

The length of this line segment



6. $9 - 3y - 3y - 9 =$

SK 5.2 TP3

- A $-6y$
B $6y$
C $18 - 6y$
D 18

7. $(5pq - 25) \div 15 =$

A $\frac{1}{5pq} - \frac{5}{3}$

B $\frac{pq - 5}{3}$

C $\frac{1}{3}pq - \frac{3}{5}$

D $75pq - 375$

SK 5.2 TP3

8. $4(m + 4n) - 5(2m + 6n) =$

A $-6m + 46n$

B $-6m + 10n$

C $-6m - 14n$

D $14m - 14n$

SK 5.2 TP3