

Jawab semua soalan.

Answer all questions.

Bahagian A

1. Kembangkan
- $x(x + 7)$
- .

Expand $x(x + 7)$.

- A x
 B $x + 7$
 C $x^2 + 7x$
 D $x(x + 7)$

2. Kembangkan
- $a(a + b)$
- .

Expand $a(a + b)$.

- A a
 B ab
 C $a + b$
 D $a^2 + ab$

3. Kembangkan
- $5x(x + 2)$
- .

Expand $5x(x + 2)$.

- A $10x$
 B $5x + 2$
 C $5x + 10$
 D $5x^2 + 10x$

- 4.
- $(m - 1)(m + 5) =$

- A $m - 1$
 B $m^2 - 4m$
 C $m^2 + 4m - 5$
 D $m(m - 1)(m + 5)$

- 5.
- $2p(2q - 1) =$

- A $2p$
 B $2p^2 + 2$
 C $4pq - 2p$
 D $4pq - 2pq$

6. Faktorkan
- $9x^2 - 25$
- .

Factorise $9x^2 - 25x$.

- A $3x - 5$
 B $3x^2 - 5$
 C $(3x - 5)(3x + 5)$
 D $(3x - 5)(3x - 5)$

7. Senaraikan faktor sepunya bagi
- $6x$
- dan
- $4xy$
- .

List down the common factors for $6x$ and $4xy$.

- A x B $1, 2$
 C $x, 2x$ D $1, 2, x, 2x$

8. Apakah faktor sepunya terbesar (FSTB) bagi
- $16x^2$
- dan
- $4x$
- ?

What is the highest common factor (HCF) for $16x^2$ dan $4x$?

- A $2x$ B $4x$
 C $5x$ D $6x^2$

- 9.
- $5y^2 + 3y - 14 =$

- A $y^2 - 4y$
 B $(y - 1)(y + 5)$
 C $y^2 + 4y - 5$
 D $(5y - 7)(y + 2)$

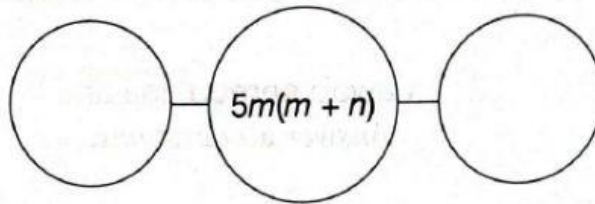
10. Permudahkan
- $4k + 3h - \frac{1}{2}k$
- .

Simplify $4k + 3h - \frac{1}{2}k$.

- A $k + 3h$ B $2k - 3h$
 C $3\frac{1}{2}k + 3h$ D $5k - 3h$

Bahagian B

1. (a) Lengkapkan rajah dengan dua faktor untuk $5m(m + n)$.
Complete the diagram with two factors of $5m(m + n)$.



- (b) Tentukan betul atau salah.
Determine whether true or false.

	Persamaan Equation	Betul / True or Salah / False
(i)	$4x + 16 = 4(x + 4)$	
(ii)	$16y^2 - 64y = 16y$	

2. (a) Padankan yang berikut.
Match the following.

$$8m - 12mn$$

$$8n - 12mn$$

$$8mn - 12m$$

$$8mn - 12mn$$

$$4n(2 - 3m)$$

$$4m(2 - 3n)$$

$$4m(2n - 3)$$

$$-4mn$$

- (b) Bulatkan jawapan yang betul.
Circle the correct answer.

(i) $10pq + pq$

$$= \boxed{10(pq + pq)} \quad \boxed{pq(10 + 1)}$$

(ii) $6(x + y)$

$$= \boxed{6x + 6y} \quad \boxed{6xy}$$