

### BAHAGIAN A SECTION A

Jawab semua soalan.  
Answer all questions.

- 1 Antara berikut, susunan nombor yang manakah mengikut urutan yang menaik?  
*Which of the following set of numbers is arranged in ascending order?*  
 A  $-8, -9, 0, 10, -11$   
 B  $-9, -8, -6, 1, 2$   
 C  $7, 5, -2, -5, -10$   
 D  $0, -2, -6, 8, 12$
- 2  $-18 - (-9) =$   
 A 9  
 B -9  
 C 27  
 D -27
- 3  $4xy \times 2y =$   
 A  $6xy^2$   
 B  $6x^2y$   
 C  $8xy^2$   
 D  $8x^2y^2$
- 4 Permudahkan  $\frac{-9g^2t \times 4mn}{-6gnt}$   
*Simplify*  
 A  $-12gn$   
 B  $6gm$   
 C  $6g^2m$   
 D  $12gmn$
- 5  $3(ab - 2xy) + \frac{3ab + 9xy}{3}$   
 A  $4ab - 3xy$   
 B  $2ab + 9xy$   
 C  $2ab - 9xy$   
 D  $4ab - 9xy$
- 6 "Tambah 3 kepada suatu nombor kuasa dua". Pernyataan di atas boleh ditulis sebagai  
*"Add 3 to a square of a number." The sentence above can be written as*  
 A  $3 + n$   
 B  $3 + \sqrt{n}$   
 C  $3 + n^2$   
 D  $3 + n^3$
- 7 Kos sebiji epal ialah  $2x + 1$  sen dan kos sebiji oren ialah  $x + 2$  sen. Berapakah Anita perlu bayar untuk 3 biji epal dan 6 biji oren itu?  
*An apple costs  $2x + 1$  sen and an orange costs  $x + 2$  sen. How much Anita has to pay for 3 apples and 6 oranges?*  
 A  $9x + 12$   
 B  $9x - 15$   
 C  $24x + 10$   
 D  $12x + 15$
- 8 Lim membeli  $2p - 3q$  manggis. Dia makan  $p - q$  manggis dan bakiya dibahagi kepada 4 orang adik-beradik secara sama rata. Berapakah manggis setiap seorang dapat?  
*Lim bought  $2p - 3q$  mangosteens. He ate  $p - q$  mangoosteens and the rest was divided equally amongst his 4 brothers. How many mangosteens did each of his brother get?*  
 A  $\frac{1}{4}p - \frac{1}{2}q$   
 B  $\frac{1}{4}p + \frac{1}{4}q$   
 C  $\frac{1}{4}p - \frac{1}{4}q$   
 D  $p - \frac{1}{2}q$
- 9 Diberi  $3x - 9 = 7 - x$ . Cari nilai  $x$ .  
*Given that  $3x - 9 = 7 - x$ . Find the value of  $x$ .*  
 A 2  
 B 4  
 C -4  
 D 6
- 10 Jika  $1 - 2x + 7 = 5x$ , cari nilai  $x$ .  
*If  $1 - 2x + 7 = 5x$ , find the value of  $x$ .*  
 A  $\frac{1}{7}$   
 B  $\frac{2}{5}$   
 C  $\frac{8}{7}$   
 D  $\frac{5}{6}$
- 11 Diberi  $4 - 5x = \frac{1}{2}$ , cari nilai  $x$ .  
*Given  $4 - 5x = \frac{1}{2}$ , find the value of  $x$ .*  
 A  $\frac{3}{5}$   
 B  $\frac{2}{3}$   
 C  $\frac{7}{10}$   
 D  $\frac{1}{20}$
- 12 Selesaikan persamaan serentak.  
*Solve the simultaneous equations.*  

$$\begin{aligned} x - 2y &= 4 \\ 2x + y &= 13 \end{aligned}$$
 A  $x = 1, y = 4$   
 B  $x = 6, y = 1$   
 C  $x = 3, y = 7$   
 D  $x = 2, y = 6$
- 13 Selesaikan persamaan serentak.  
*Solve the simultaneous equations.*  

$$\begin{aligned} \frac{1}{2}p + q &= 5 \\ \frac{p - 2q}{3} &= 2 \end{aligned}$$
 A  $p = 6, q = 3$   
 B  $p = 8, q = 1$   
 C  $p = 8, q = 6$   
 D  $p = 4, q = -2$