

- 11** Diagram 6 shows a straight line PQ drawn on a Cartesian plane.
Rajah 6 menunjukkan satu garis lurus PQ yang dilukis pada satah Cartes.

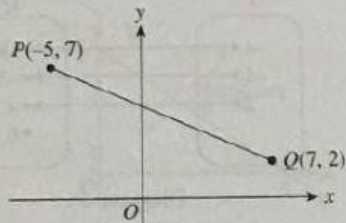


Diagram 6
Rajah 6

Find the length of PQ .
Cari panjang PQ .

- | | |
|------------------------------|------------------------------|
| A 12 units
12 unit | B 13 units
13 unit |
| C 15 units
15 unit | D 17 units
17 unit |

- 12** Diagram 7 shows a circle with centre O and radius of 10 cm. PSR is a straight line.
Rajah 7 menunjukkan sebuah bulatan berpusat O dan berjari 10 cm. PSR ialah garis lurus.

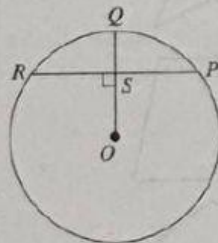


Diagram 7
Rajah 7

Given $PR = 16$ cm. Find the length, in cm, of SQ .
Diberi $PR = 16$ cm. Cari panjang, dalam cm, SQ .

- A** 4
B 5
C 6
D 8

- 13 Diagram 8 shows a function f that maps set P to set Q .

Rajah 8 menunjukkan fungsi f yang memetakan set P kepada set Q .

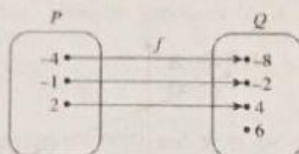


Diagram 8
Rajah 8

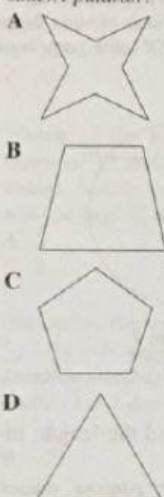
Which of the following is **not** true?

Antara berikut, yang manakah **tidak** benar?

- A Domain = $\{-4, -1, 2\}$
- B Codomain/Kodomain = $\{-8, -2, 4, 6\}$
- C Object/Objek = $-4, -1, 2$
- D Range/Julat = $-8, -2, 4$

- 14 Which of the following does **not** have rotational symmetry?

Antara berikut, yang manakah **tidak** mempunyai simetri putaran?



- 15 Which of the following is equal to p^2q ?

Antara berikut, yang manakah sama dengan p^2q ?

- A $(pq)^2$
- B $p \times q^2$
- C $p^2 + pq$
- D $pq + p^{-1}$

- 16 Round off 3.07024 correct to four significant figures.

Bundarkan 3.07024 betul kepada empat angka bererti.

- A 3.08
- B 3.07
- C 3.070
- D 3.0702

- 17 Diagram 9.2 is the scale drawing of Diagram 9.1.

Rajah 9.2 ialah lukisan berskala bagi Rajah 9.1.

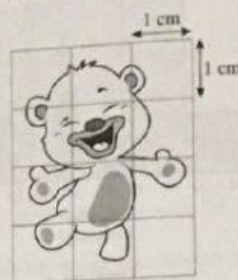


Diagram 9.1
Rajah 9.1

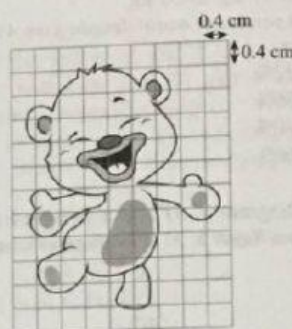


Diagram 9.2
Rajah 9.2

Find the scale used.

Cari skala yang digunakan.

- A $1 : \frac{2}{5}$
- B $1 : \frac{5}{6}$
- C $1 : \frac{6}{5}$
- D $1 : \frac{5}{2}$

- 18 Diagram 10 shows an isosceles triangle.
Rajah 10 menunjukkan sebuah segi tiga sama kaki.

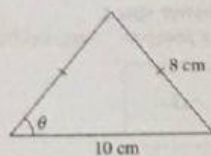


Diagram 10
Rajah 10

Find the value of θ .

Cari nilai θ .

- A 36.9° B 42.5°
C 50.2° D 51.3°
- 19 In Diagram 11, PQR is a tangent to the circle at point Q .
Dalam Rajah 11, PQR ialah tangen kepada bulatan pada titik Q .

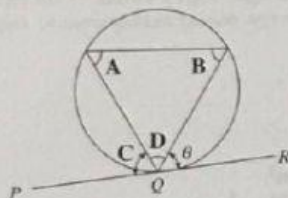


Diagram 11
Rajah 11

Which of the following angles, A, B, C or D, is equal to θ ?

Antara sudut A, B, C dan D, yang manakah sama dengan θ ?

- 20 Diagram 12 shows a straight line HK drawn on a Cartesian plane.
Rajah 12 menunjukkan satu garis lurus HK yang dilukis pada satu satah Cartes.

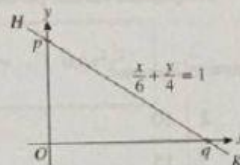


Diagram 12
Rajah 12

Determine the values of p and q .

Tentukan nilai p dan nilai q .

- A $p = 2, q = 3$
B $p = 3, q = 2$
C $p = 4, q = 6$
D $p = 6, q = 4$