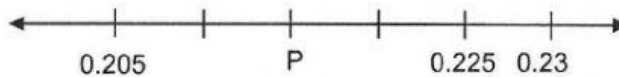


SECTION A / BAHAGIAN A [20 Markah]Answer **all** questions / Jawab **semua** soalan.

Each question is followed by four alternative answers, A, B, C and D. For each question, choose one answer only.

Tiap-tiap soalan diikuti oleh empat pilihan jawapan, iaitu A, B, C dan D. Bagi setiap soalan pilih satu jawapan sahaja.

1. Diagram 1 shows part of a number line.
Rajah 1 menunjukkan sebahagian daripada suatu garis nombor.



Rajah 1

Find the value of P.

Cari nilai P.

A $\frac{207}{100}$

C $\frac{213}{1000}$

B $\frac{210}{100}$

D $\frac{215}{1000}$

2. State the prime factors of 20.
Nyatakan faktor-faktor perdana bagi 20.

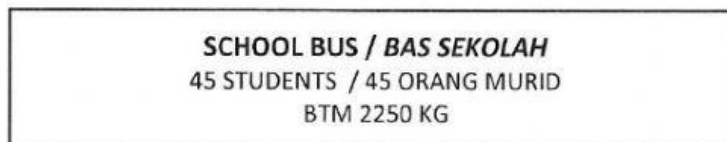
A 1, 2, 5

C 2, 5

B 2, 4, 5

D 4, 5

3. Diagram 3 shows a sticker that is pasted on the school bus door.
Rajah 3 menunjukkan pelekat yang ditampal pada pintu sebuah bas sekolah.



Rajah 3

If x represents the number of students, which inequalities represent the information on the sticker?
Jika x mewakili bilangan murid, ketaksamaan yang manakah mewakili maklumat pada pelekat tersebut?

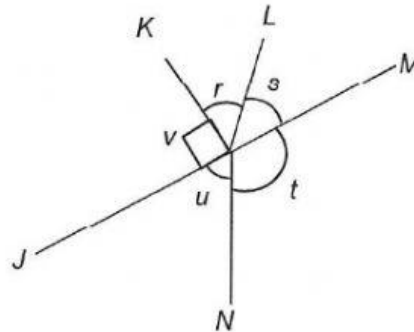
A $x > 45$

C $x \geq 45$

B $x < 45$

D $x \leq 45$

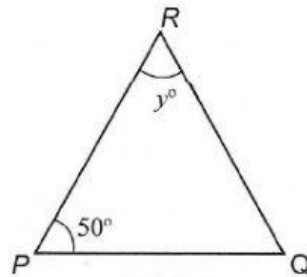
4. In Diagram 4, JM is a straight line.
Dalam Rajah 4, JM ialah garis lurus.



Rajah 4

Based on Diagram 4, state the pair of complementary angle.
Berdasarkan Rajah 4, nyatakan pasangan sudut pelengkap.

- | | |
|---------------|---------------|
| A r dan s | C t dan u |
| B s dan t | D u dan v |
5. In Diagram 5, PQR is an isosceles triangle and $RP = RQ$.
Dalam Rajah 5, PQR ialah sebuah segitiga sama kaki dan $RP = RQ$.



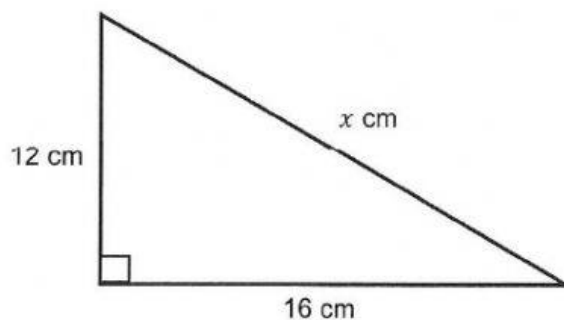
Rajah 5

Calculate the value of y .
Hitung nilai y .

- | | |
|------|------|
| A 25 | C 65 |
| B 40 | D 80 |

6. Diagram 6 shows a right angled triangle.

Rajah 6 menunjukkan sebuah segi tiga bersudut tegak.



Rajah 6

Find the value of x .

Cari nilai x.

- | | | | |
|---|----|---|----|
| A | 17 | C | 20 |
| B | 18 | D | 28 |

7. Determine the number of terms in the algebraic expression $9 + 2p - 3q - 5r + \frac{3s}{5}$.

Tentukan bilangan sebutan dalam ungkapan algebra $9 + 2p - 3q - 5r + \frac{3s}{5}$.

- A 4
- B 5
- C 6
- D 7

8. Which of the following is not the factor of $6k$.

Antara berikut, yang manakah bukan faktor bagi 6k.

- A 2
- B 4
- C 3k
- D 6k

9. Identify the subject of formulae $y = mx + c$.

Kenal pasti perkara rumus bagi $y = mx + c$.

- A y C m
B x D c

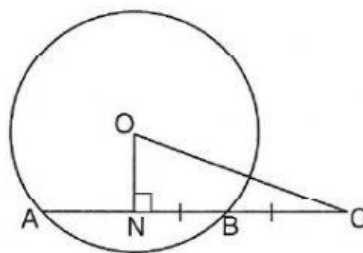
10. Name polygon with seven sides.

Namakan poligon yang mempunyai tujuh sisi.

- | | |
|----------------------|---------------------|
| A Pentagon | C Heptagon |
| B Hexagon / Heksagon | D Decagon / Dekagon |

11. Diagram 11 shows a circle with centre O . The length of straight line ANB is 12 cm. ANB extended to C with NB equal to BC .

Rajah 11 menunjukkan sebuah bulatan dengan pusat O . Panjang garis lurus ANB ialah 12 cm. ANB dipanjangkan ke C dengan keadaan NB sama dengan BC .



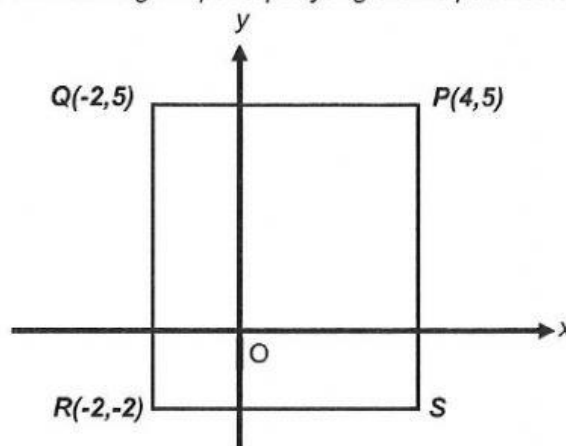
Rajah 11

Given ON is 5 cm, calculate in cm, the length of OC .
Diberi ON ialah 5 cm, hitung dalam cm, panjang OC .

- | | |
|------|------|
| A 12 | C 15 |
| B 13 | D 18 |

12. Diagram 12 shows a rectangle drawn on a Cartesian plane.

Rajah 12 menunjukkan sebuah segi empat tepat yang dilukis pada satah Cartes.



Rajah 12

Given that points P, Q, R and S are vertices of the rectangle.
Find the coordinate of point S .

*Diberi titik-titik P, Q, R dan S ialah bucu-bucu bagi segi empat tepat itu.
Cari koordinat bagi titik S .*

A $(-2, 4)$

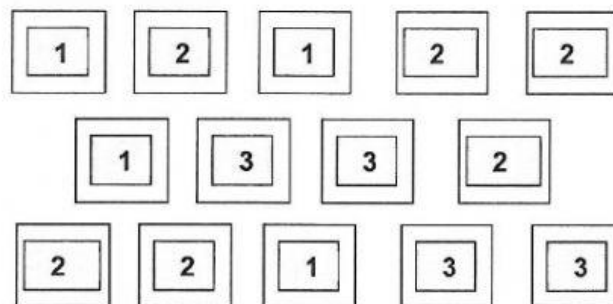
C $(4, -2)$

B $(-2, 5)$

D $(5, -2)$

13. Diagram 13 shows 14 identical cards, labelled with numbers.

Rajah 13 menunjukkan 14 keping kad serupa yang dilabel dengan nombor.



Rajah 13

A card is chosen at random. State the probability that the card labelled with number 1 is chosen.

Sekeping kad dipilih secara rawak. Nyatakan kebarangkalian bahawa kad yang dilabel dengan nombor 1 dipilih.

A $\frac{1}{3}$
B $\frac{2}{7}$

C $\frac{5}{7}$
D $\frac{1}{14}$

14. Given that $r^3 \times r^4 = r^s$, where $r \neq 0$. Find the value of s .

Diberi $r^3 \times r^4 = r^s$, di mana $r \neq 0$. Cari nilai s .

A -1

C 7

B 1

D 12

15. Round off **0.01668** correct to three significant figures.

*Bundarkan **0.01668** betul kepada tiga angka bererti.*

A 0.016

C 0.0166

B 0.017

D 0.0167

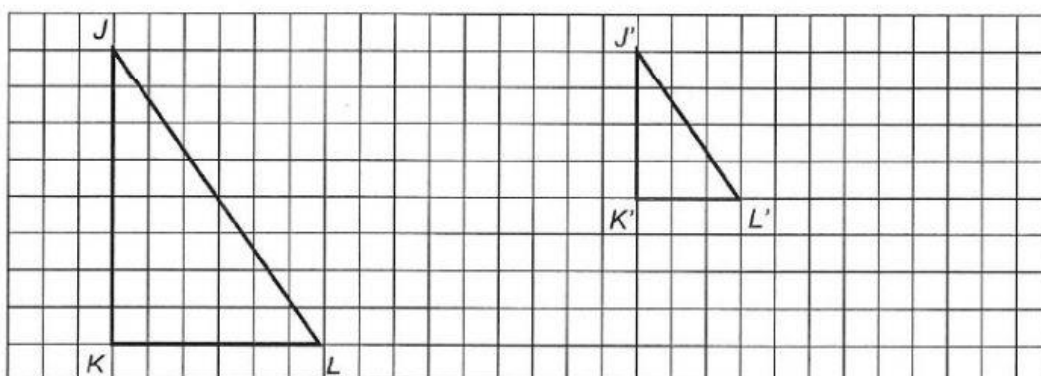
16. Among the followings, which one is **NOT** the advantage of credit cards.

Antara yang berikut, yang manakah **BUKAN** kelebihan kad kredit.

- | | |
|--|--|
| <p>A Convenience of buying goods and services online
<i>Kemudahan membeli barangan dan perkhidmatan atas talian</i></p> <p>B Does not require us to carry a lot of cash
<i>Tidak perlu membawa tunai yang banyak</i></p> | <p>C Easy and efficient payment method
<i>Kaedah pembayaran yang mudah dan cekap</i></p> <p>D Overspending
<i>Berbelanja lebih daripada sepatutnya</i></p> |
|--|--|

17. Diagram 17 shows object JKL and scale drawing $J'K'L'$ which drawn in the square grid.

Rajah 17 menunjukkan objek JKL dan lukisan berskala $J'K'L'$ yang dilukis pada grid segi empat sama.



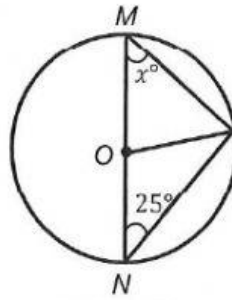
Rajah 17

Determine the scale used for Diagram 17 in form of $1 : n$.

Tentukan skala yang digunakan bagi Rajah 17 dalam bentuk $1 : n$.

- | | |
|---|---|
| <p>A $1 : 2$</p> <p>B $1 : 3$</p> | <p>C $1 : \frac{1}{2}$</p> <p>D $1 : \frac{1}{3}$</p> |
|---|---|

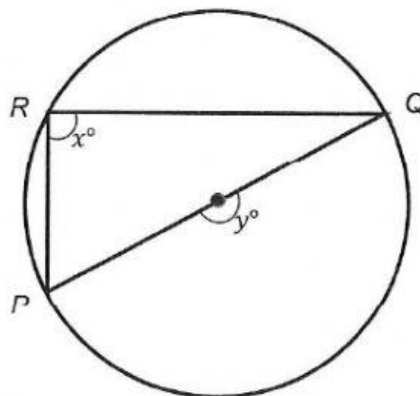
18. Diagram 18 shows a circle with centre O . MON is a straight line.
Rajah 18 menunjukkan satu bulatan berpusat O . MON ialah garis lurus.



Rajah 18

Find the value of x .
Cari nilai x .

- | | |
|------|------|
| A 65 | C 45 |
| B 55 | D 25 |
19. Diagram 19 shows a circle. Given that PQ is the diameter of the circle.
Rajah 19 menunjukkan sebuah bulatan. Diberi PQ ialah diameter bulatan.

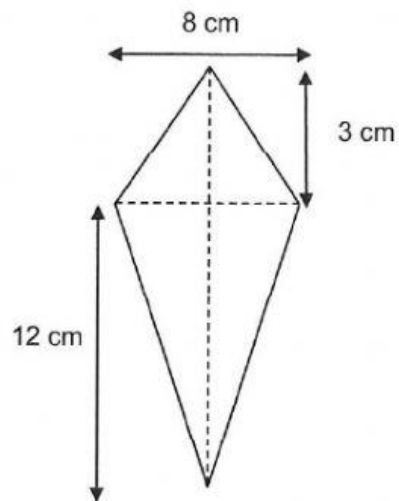


Rajah 19

Find the value of $x + y$
Cari nilai $x + y$

- | | |
|-------|-------|
| A 300 | C 180 |
| B 270 | D 90 |

20. Diagram 20 shows a kite.
Rajah 20 menunjukkan sebuah layang.



Rajah 20

What is the area formula of kite.
Apakah rumus luas bagi layang.

- A $\frac{1}{2} \times 8 \times 3$
B $\frac{1}{2} \times 8 \times 12$
C $\frac{1}{2} \times 8 \times 15$
D $\frac{1}{2} \times 4 \times 3$

SECTION B / BAHAGIAN B [20 Markah]

1. a) Write **True** or **False** for the given statement.

Tulis **Benar** atau **Palsu** bagi pernyataan yang diberi.

	Statement Pernyataan	True/ False Benar / Palsu
(i)	$\sqrt{123} \times \sqrt{123} = 123$	
(ii)	$\sqrt[3]{64} = 8$	

[2 markah]

- b) Find the sum of perfect squares between 20 to 40.

Cari hasil tambah kuasa dua sempurna yang terletak di antara 20 hingga 40.

[2 markah]

Answer / Jawapan :

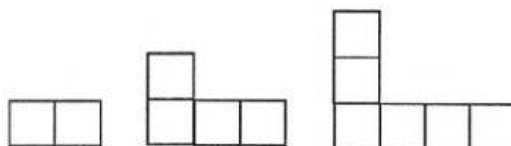
2. Draw the 4th shape for each of the following question and state its pattern.

Lukis bentuk ke-4 bagi setiap soalan berikut dan nyatakan polanya.

[1 markah]

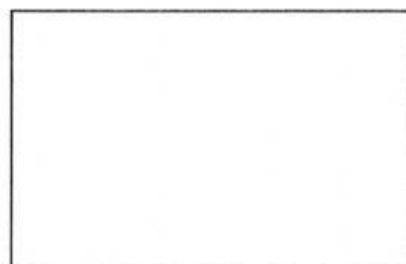
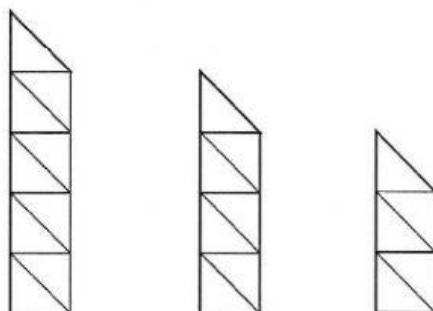
Answer / Jawapan :

a)



Pola : _____

b)



Pola : _____