

Jawab semua soalan.
Answer all questions.

Bahagian A

1. Apakah garis lurus yang menghubungkan pusat bulatan dengan sebarang titik pada lilitan bulatan?
What is the straight line that connected the centre of the circle and any point on the circumference?

A Lengkok / Arc
B Jejari / Radius
C Tembereng / Segment
D Lilitan / Circumference

2. Cari lilitan bulatan dengan jejari 7 cm.

[Guna $\pi = \frac{22}{7}$]

Find the circumference of a circle with radius of 7 cm. [Use $\pi = \frac{22}{7}$]

A 22 cm
B 44 cm
C 144 cm
D 154 cm

3. Diberi luas bulatan ialah 188 cm². Hitung jejari bulatan itu. [Guna $\pi = 3.142$].

Given the area of a circle is 188 cm². Find the radius of the circle. [Use $\pi = 3.142$]

A 1.21 cm
B 4.35 cm
C 7.74 cm
D 8.11 cm

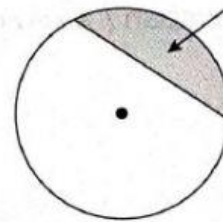
4. Kira luas bulatan yang mempunyai diameter bulatan 15 cm. [Guna $\pi = \frac{22}{7}$]

Calculate the area of a circle with diameter of the circle of 15 cm. [Use $\pi = \frac{22}{7}$]

A 176.79 cm² B 194.31 cm²
C 254 cm² D 316 cm²

5. Rajah berikut menunjukkan sebuah bulatan.

The following diagram shows a circle.



Apakah yang ditunjukkan oleh anak panah dalam rajah di atas?

What does the arrow show in the diagram above?

A Perentas / Chord
B Lengkok / Arc
C Jejari / Radius
D Tembereng / Segment

6. Diberi lilitan bulatan ialah 72 cm. Hitung luas bulatan. [Guna $\pi = \frac{22}{7}$]

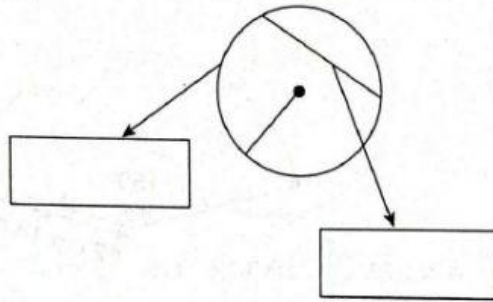
Given the circumference of a circle is 72 cm.

Calculate the area of the circle. [Use $\pi = \frac{22}{7}$]

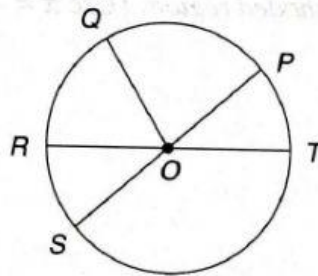
A 236.25 cm² B 315.16 cm²
C 412.04 cm² D 516.32 cm²

Bahagian B

1. (a) Lengkapkan rajah di bawah.
Complete the diagram below.



- (b) Rajah menunjukkan sebuah bulatan berpusat di O.
The diagram shows a circle with centre O.



Nyatakan dua diameter bulatan.
State two diameters of the circle.

2. (a) Lengkapkan jadual di bawah. [Guna $\pi = 3.142$]
Complete the table below. [Use $\pi = 3.142$]

Jejari Radius	Diameter Diameter	Lilitan Circumference	Luas bulatan Area of circle
	8 cm		
9 cm			

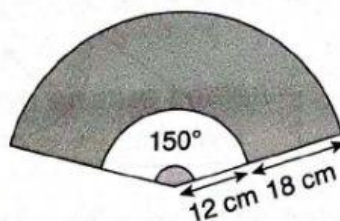
- (b) Lengkapkan jadual di bawah. [Guna $\pi = \frac{22}{7}$]

Complete the table below. [Use $\pi = \frac{22}{7}$]

Sudut pada pusat Angle at centre	Jejari Radius	Panjang lengkok Length of arc	Luas sektor Area of sector
62°	12 cm		
72°		33.94 cm	

Bahagian C

3. (a) Rajah berikut menunjukkan satu sektor bulatan.
The following diagram shows a sector of a circle.



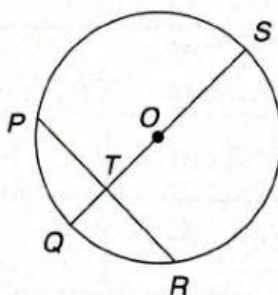
Hitung luas kawasan berlorek. [Guna $\pi = \frac{22}{7}$]

Calculate the area of the shaded region. [Use $\pi = \frac{22}{7}$]

Jawapan / Answer :

- (b) Rajah berikut menunjukkan satu bulatan dengan pusat O. SOQ ialah garis lurus diameter bulatan.

The following diagram shows a circle with centre O. SOQ is a straight line of diameter of the circle.

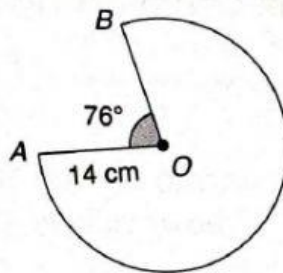


Diberi $TQ = 3\text{ cm}$ dan $OS = 15\text{ cm}$. Cari panjang PR .

Given $TQ = 3\text{ cm}$ and $OS = 15\text{ cm}$. Find the length of PR .

Jawapan / Answer :

4. (a) Rajah menunjukkan sebuah sektor, OAB berpusat di O dengan jejari 14 cm.
The diagram shows a sector, OAB with centre O and radius of 14 cm.

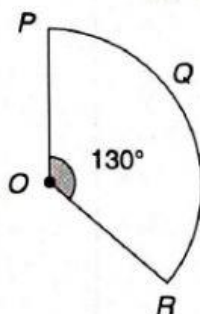


Hitung panjang, dalam cm, lengkok major AB . [Guna $\pi = \frac{22}{7}$]

Calculate the length, in cm, of major arc AB . [Use $\pi = \frac{22}{7}$]

Jawapan / Answer :

- (b) Rajah menunjukkan PQR ialah lengkok berpusat di O .
The diagram shows PQR is an arc with centre O .



Diberi panjang lengkok $PQR = 45$ cm. Cari panjang OP . [Guna $\pi = 3.142$].

Given length of arc $PQR = 45$ cm. Find the length of OP . [Use $\pi = 3.142$].

Jawapan / Answer :