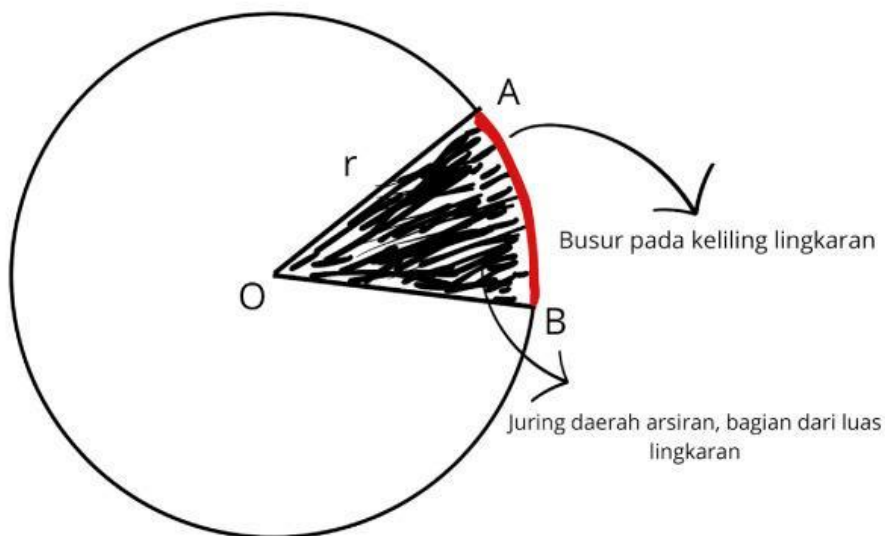


LINGKARAN

MENGHITUNG LUAS JURING DAN PANJANG BUSUR



RUMUS-RUMUS:

- Menghitung Luas Juring Lingkaran

$$L \text{ juring AOB} = \frac{\angle AOB}{360^\circ} \times L \text{ lingkaran}$$

$$L \text{ juring AOB} = \frac{\angle AOB}{360^\circ} \times \pi r^2$$

- Menghitung panjang busur Lingkaran

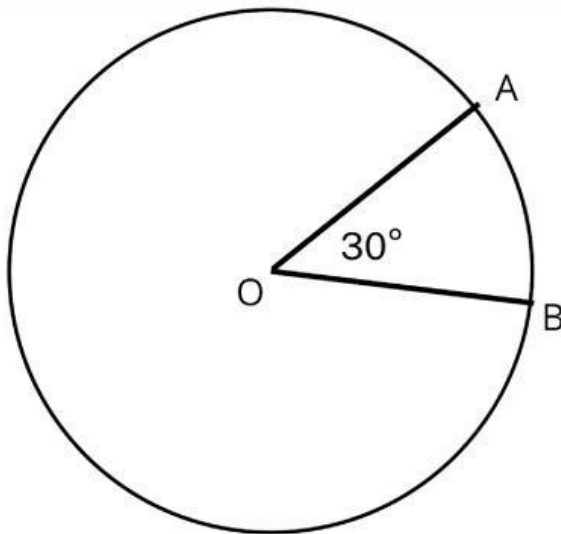
$$\text{Panjang AB} = \frac{\angle AOB}{360^\circ} \times K \text{ lingkaran}$$

$$\text{Panjang AB} = \frac{\angle AOB}{360^\circ} \times 2\pi r$$

10
Menit

LATIHAN

HITUNGLAH NILAI LUAS JURING DAN PANJANG BUSUR DIBAWAH INI!



Diketahui,
 $r = 7 \text{ cm}$
 $\angle AOB = 30^\circ$.
 Tentukan:
 a. L juring AOB
 b. Panjang $\widehat{AB}$

PENYELESAIAN:

$$\begin{aligned} \text{a. L juring AOB} &= \frac{\angle AOB}{360^\circ} \times \pi r^2 = \frac{\quad^\circ}{360^\circ} \times \frac{22}{7} \times \quad \times \quad \\ &= \quad \times \quad \\ &= \quad \end{aligned}$$

$$\begin{aligned} \text{b. Panjang } \widehat{AB} &= \frac{\angle AOB}{360^\circ} \times 2\pi r = \frac{\quad^\circ}{360^\circ} \times 2 \times \frac{22}{7} \times \quad \\ &= \quad \times \quad \\ &= \quad \end{aligned}$$

