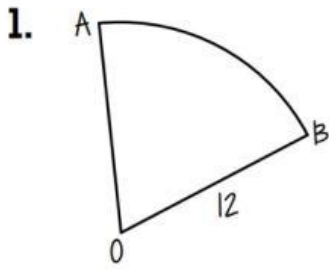


WORKSHEET 2: PANJANG LINGKOK

selesaikan setiap yang berikut

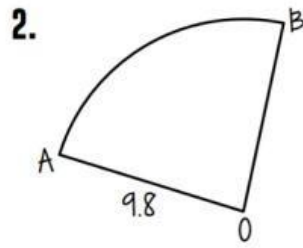
[2]



$$\angle AOB = 0.752 \text{ rad}$$

$$AB = ?$$

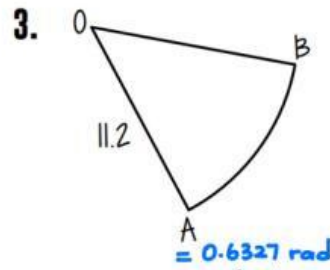
$$s = j\theta = 12(0.752) = \underline{9.024}$$



$$\angle AOB = 1.426 \text{ rad}$$

$$AB = ?$$

$$s = j\theta = 9.8(1.426) = \underline{13.9748}$$

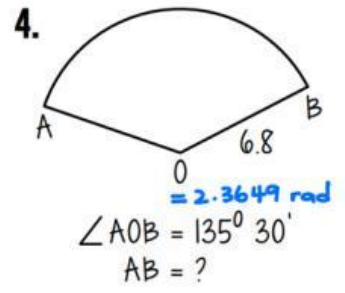


$$= 0.6327 \text{ rad}$$

$$\angle AOB = 36^\circ 15'$$

$$AB = ?$$

$$s = j\theta = 11.2(0.6327) = \underline{7.0862}$$

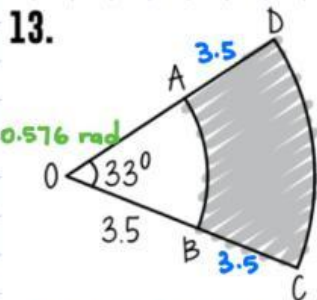


$$= 2.3649 \text{ rad}$$

$$\angle AOB = 135^\circ 30'$$

$$AB = ?$$

$$s = j\theta = 6.8(2.3649) = \underline{16.0813}$$

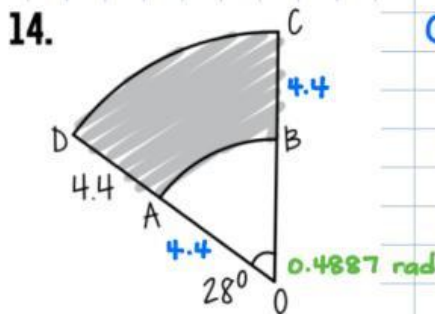


A & B ialah titik tengah. Perimeter kawasan berlorek = ?

① AB
 $s = j\theta = 3.5(0.576) = \underline{2.016}$

② CD
 $s = j\theta = 7(0.576) = \underline{4.032}$

③ $3.5 + 3.5 + 2.016 + 4.032 = \underline{13.048} \#$

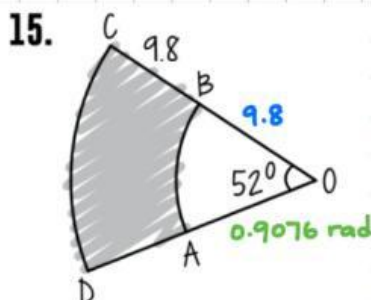


A & B ialah titik tengah. Perimeter kawasan berlorek = ?

① AB
 $s = j\theta = 4.4(0.4887) = \underline{2.1503}$

② CD
 $s = j\theta = 8.8(0.4887) = \underline{4.3006}$

③ $4.4 + 4.4 + 2.1503 + 4.3006 = \underline{15.2509} \#$



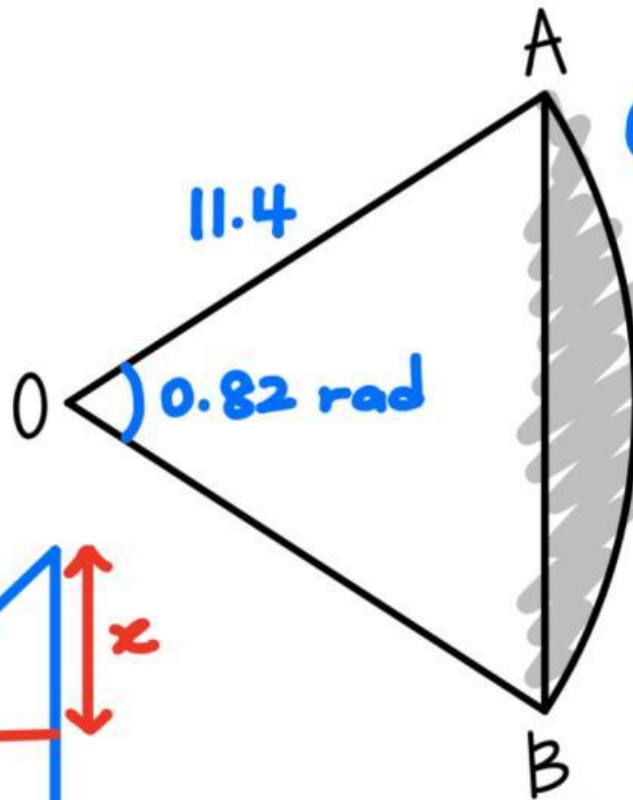
A & B ialah titik tengah. Perimeter kawasan berlorek = ?

① AB
 $s = j\theta = 9.8(0.9076) = \underline{8.8945}$

② CD
 $s = j\theta = 19.6(0.9076) = \underline{17.789}$

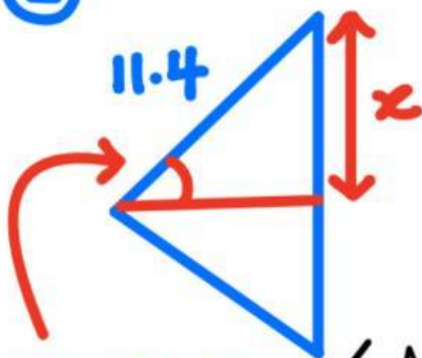
③ $9.8 + 9.8 + 8.8945 + 17.789 = \underline{46.2835}$

1.



$$\begin{aligned} \textcircled{1} \quad s &= r\theta \\ &= 0.82 \\ &\times 11.4 \\ &= \underline{9.348} \end{aligned}$$

$\textcircled{2}$



$$\begin{aligned} &\underline{46.9825} \\ &\quad 2 \\ &= 23.4913 \end{aligned}$$

$$\begin{aligned} \angle AOB &= 0.82 \text{ rad} \\ &= 46.9825^\circ \\ OA &= 11.4 \end{aligned}$$



perimeter tembereng
berlorek ?

$$\sin 23.4913 = \frac{x}{11.4}$$

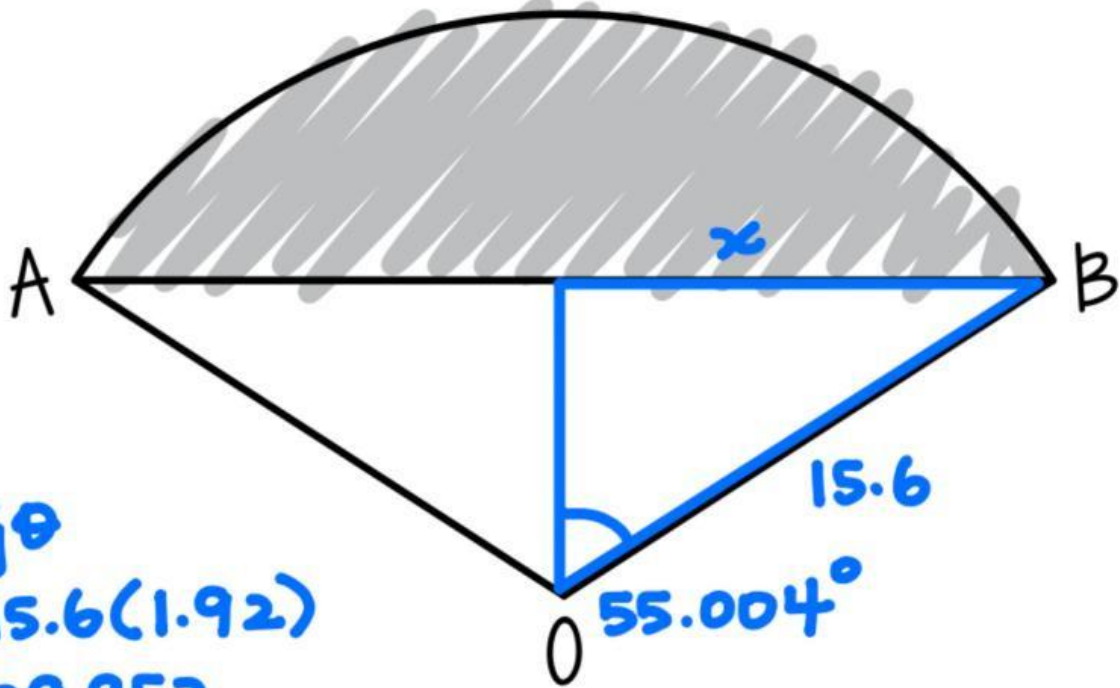
$$x = 4.5442$$

$$\underline{2x = 9.0884}$$

$\textcircled{3}$

$$\begin{aligned} &9.348 + 9.0884 \\ &= \underline{18.4364} \end{aligned}$$

2.



①

$$s = r\theta$$

$$= 15.6(1.92)$$

$$= \underline{29.952}$$

$$\angle AOB = 1.92 \text{ rad} = 110.0079^\circ$$

$$OA = 15.6$$

perimeter tembereng
berlorek ?

②

$$\sin 55.004 = \frac{x}{15.6}$$

$$x = 12.7794$$

$$\underline{2x = 25.5588}$$

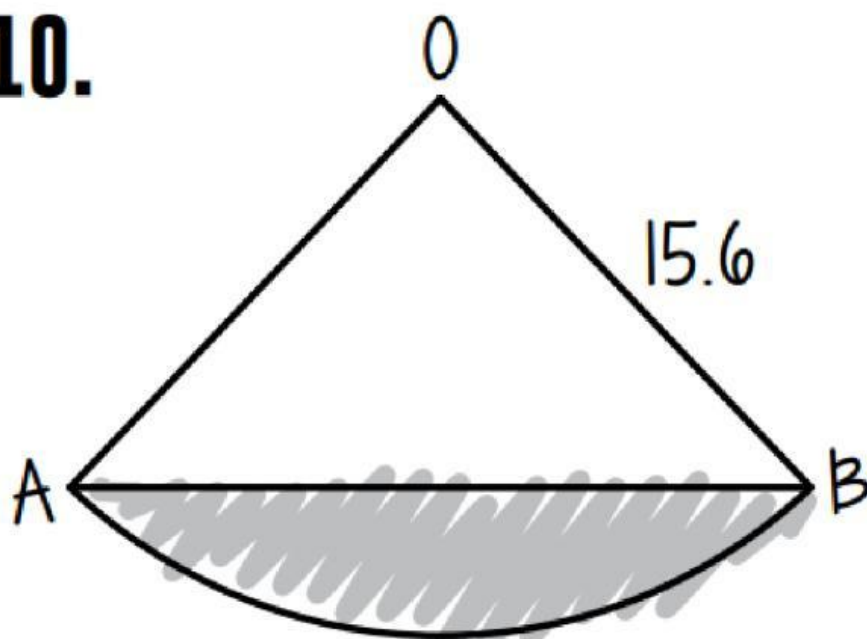
③

$$29.952$$

$$+ 25.5588$$

$$= \underline{55.5108}$$

10.



$$= 81.36^\circ$$

$$\angle AOB = 1.42 \text{ rad}$$

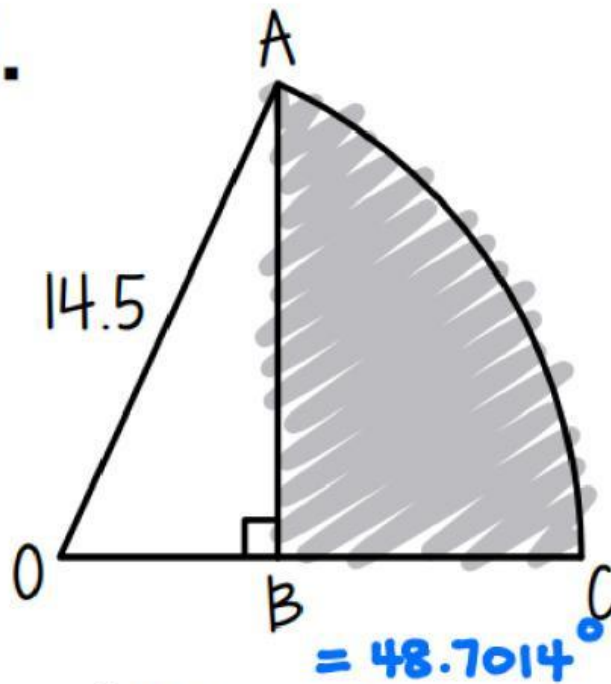
luas tembereng
berlorek ?

$$\begin{aligned} \textcircled{1} \quad L &= \frac{1}{2} (15.6)^2 (1.42) \\ &= \underline{172.7856} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad L &= \frac{1}{2} (15.6 \times 15.6) \sin 81.36^\circ \\ &= \underline{120.2991} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad &172.7856 - 120.2991 \\ &= \underline{52.4865} \end{aligned}$$

11.



$$\angle AOB = 0.85 \text{ rad}$$

luas kawasan
berlorek ?

$$\textcircled{1} \frac{1}{2}(14.5)^2(0.85) \\ = \underline{89.3563}$$

$$\textcircled{2} \cos 48.7014 = \frac{OB}{14.5} \\ \underline{OB = 9.5698}$$

$$\textcircled{3} \sin 48.7014 = \frac{AB}{14.5} \\ \underline{AB = 10.8936}$$

$$\textcircled{4} \text{Luas AOB} \\ = \frac{1}{2}(9.5698)(10.8936) \\ = \underline{52.1248}$$

$$\textcircled{5} 89.3563 - 52.1248 \\ = \underline{37.2315}$$