

WORKSHEET 1: RADIAN DAN DARJAH

[1]

tentukan nilai x bagi setiap yang berikut

1. $90^\circ \rightarrow x \text{ rad}$

2. $45^\circ \rightarrow x \text{ rad}$

3. $135^\circ \rightarrow x \text{ rad}$

4. $36^\circ \rightarrow x \text{ rad}$

5. $1.8 \text{ rad} \rightarrow x^\circ$

6. $2.4 \text{ rad} \rightarrow x^\circ$

7. $1.5 \text{ rad} \rightarrow x^\circ$

8. $3.6 \text{ rad} \rightarrow x^\circ$

9. $75^\circ 12' \rightarrow x \text{ rad}$

10. $126^\circ 45' \rightarrow x \text{ rad}$

11. $3.512 \text{ rad} \rightarrow x^\circ$

12. $2.474 \text{ rad} \rightarrow x^\circ$

13. $248^\circ 52' \rightarrow x \text{ rad}$

14. $4.062 \text{ rad} \rightarrow x^\circ$

15. $270^\circ 30' \rightarrow x \text{ rad}$

16. $3.871 \text{ rad} \rightarrow x^\circ$

17. $0.024 \text{ rad} \rightarrow x^\circ$

18. $309^\circ 15' \rightarrow x \text{ rad}$

19. $0.504 \text{ rad} \rightarrow x^\circ$

20. $18^\circ 42' \rightarrow x \text{ rad}$

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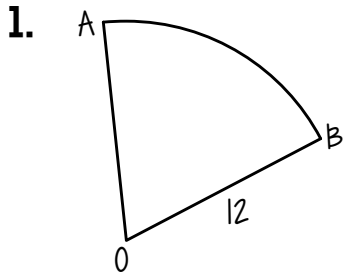
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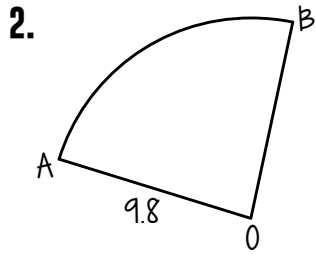
WORKSHEET 2: PANJANG LENGKOK

[2]

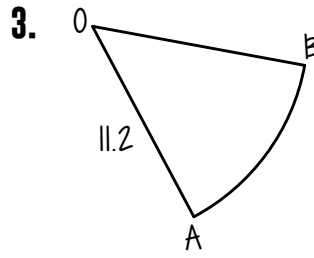
selesaikan setiap yang berikut



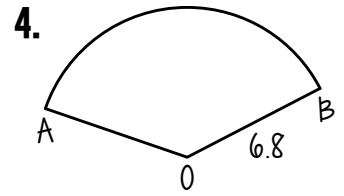
$\angle AOB = 0.752 \text{ rad}$
 $AB = ?$



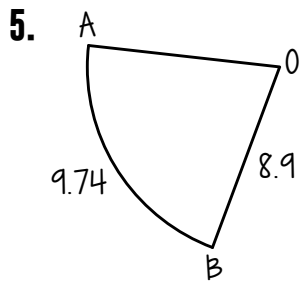
$\angle AOB = 1.426 \text{ rad}$
 $AB = ?$



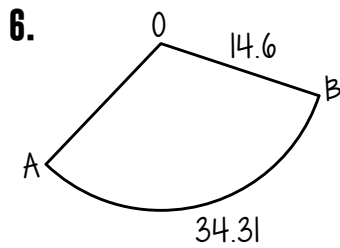
$\angle AOB = 36^{\circ} 15'$
 $AB = ?$



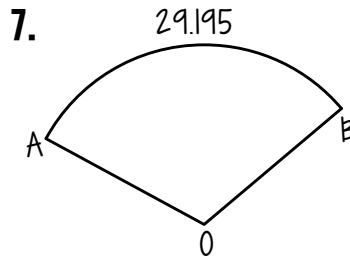
$\angle AOB = 135^{\circ} 30'$
 $AB = ?$



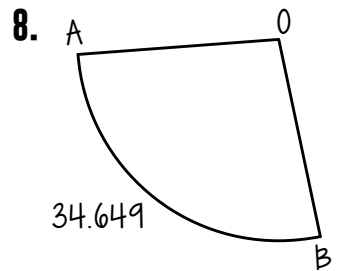
$\angle AOB = ?^{\circ}$



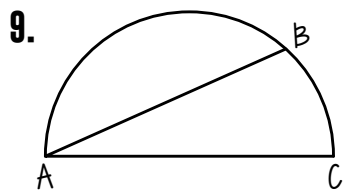
$\angle AOB = ?^{\circ}$



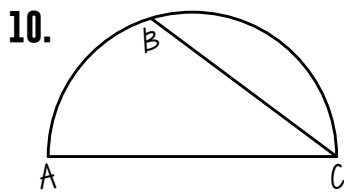
$\angle AOB = 117^{\circ} 48'$
 $OB = ?$



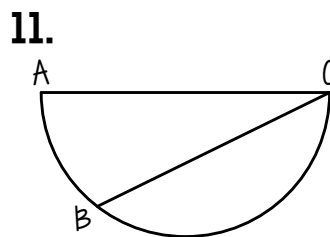
$\angle AOB = 96^{\circ} 24'$
 $OB = ?$



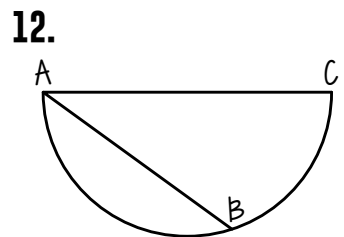
$\angle BAC = 24^{\circ}$
 $AC = 18$
 $BC = ?$



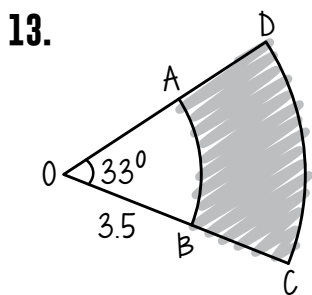
$\angle BCA = 39^{\circ}$
 $AC = 20.6$
 $AB = ?$



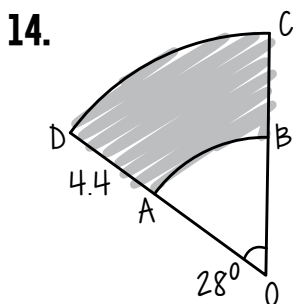
$\angle BCA = 21^{\circ}$
 $AC = 19.2$
 $AB = ?$



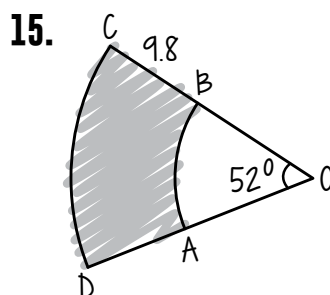
$\angle BAC = 35^{\circ}$
 $AC = 26.4$
 $AB = ?$



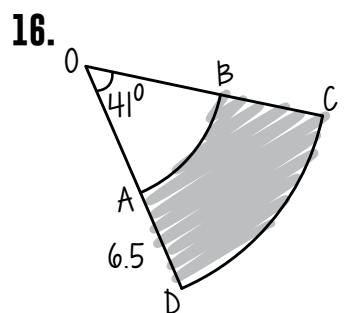
A dan B ialah titik tengah. Perimeter kawasan berlorek = ?



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



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



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

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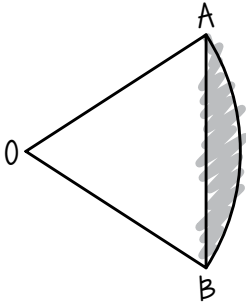


WORKSHEET 3: PERIMETER TEMBERENG

[3]

selesaikan setiap yang berikut

1.

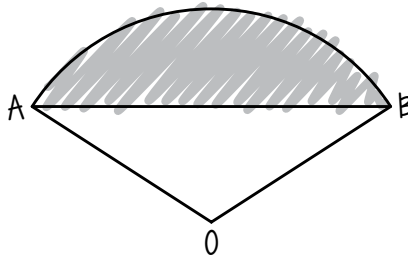


$$\angle AOB = 0.82 \text{ rad}$$

$$OA = 11.4$$

perimeter tembereng berlorek ?

2.

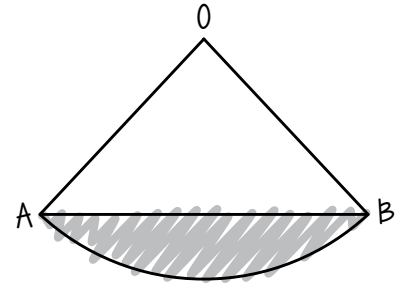


$$\angle AOB = 1.92 \text{ rad}$$

$$OA = 15.6$$

perimeter tembereng berlorek ?

3.

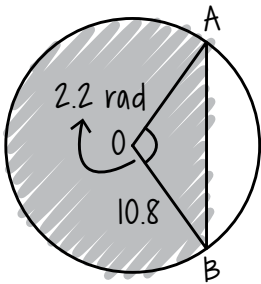


$$\angle AOB = 1.15 \text{ rad}$$

$$OA = 18.2$$

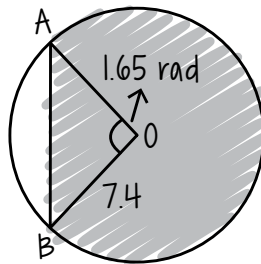
perimeter tembereng berlorek ?

4.



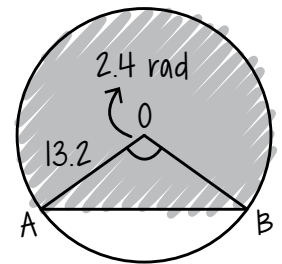
perimeter tembereng berlorek ?

5.



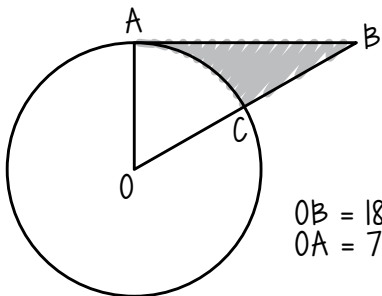
perimeter tembereng berlorek ?

6.



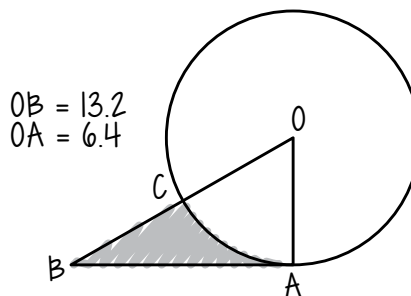
perimeter tembereng berlorek ?

7.



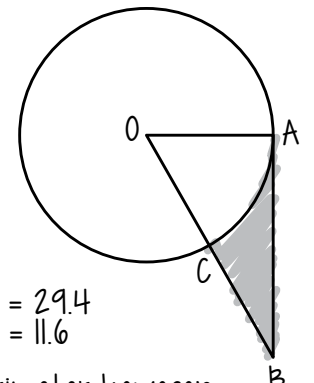
perimeter kawasan berlorek ?

8.



perimeter kawasan berlorek ?

9.



perimeter kawasan berlorek ?

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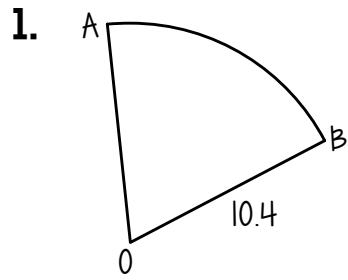
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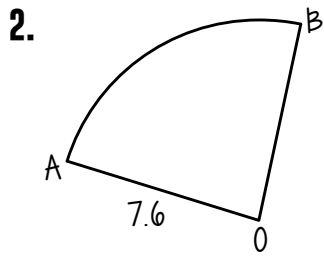
WORKSHEET 4: LUAS SEKTOR

[4]

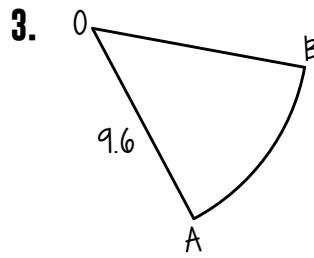
selesaikan setiap yang berikut



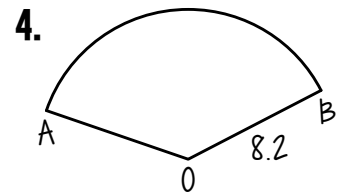
$\angle AOB = 0.815 \text{ rad}$
luas sektor AOB = ?



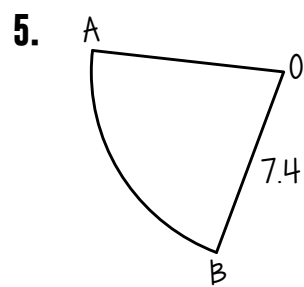
$\angle AOB = 1.404 \text{ rad}$
luas sektor AOB = ?



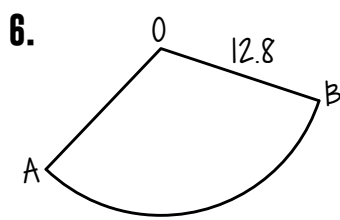
$\angle AOB = 24^\circ 30'$
luas sektor AOB = ?



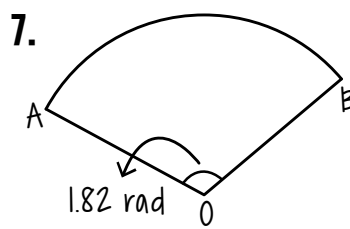
$\angle AOB = 135^\circ 45'$
luas sektor AOB = ?



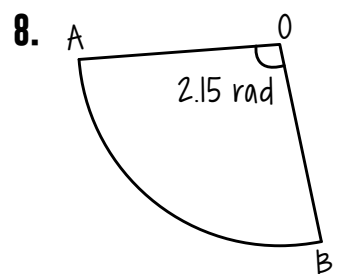
luas sektor AOB
= 20.535 unit^2
 $\angle AOB = ?^\circ$



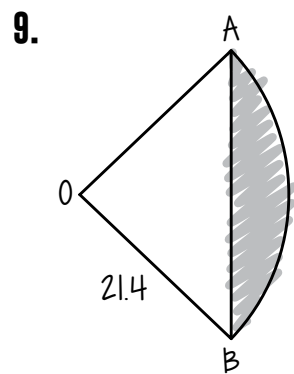
luas sektor AOB
= 184.32 unit^2
 $\angle AOB = ?^\circ$



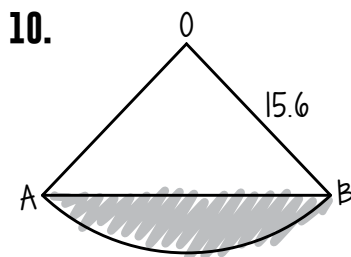
luas sektor AOB
= 102.25 unit^2
OB = ?



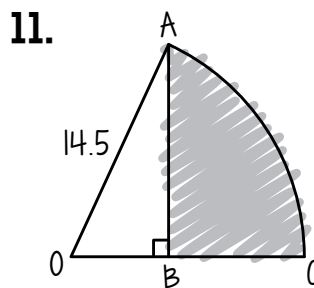
luas sektor AOB
= 94.987 unit^2
OB = ?



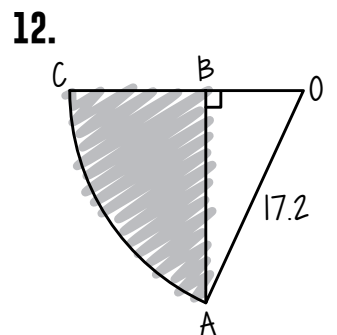
$\angle AOB = 1.53 \text{ rad}$
luas tembereng
berlorek ?



$\angle AOB = 1.42 \text{ rad}$
luas tembereng
berlorek ?



$\angle AOB = 0.85 \text{ rad}$
luas kawasan
berlorek ?



$\angle AOB = 1.19 \text{ rad}$
luas kawasan
berlorek ?

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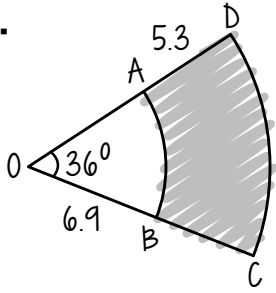
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WORKSHEET 4: LUAS SEKTOR

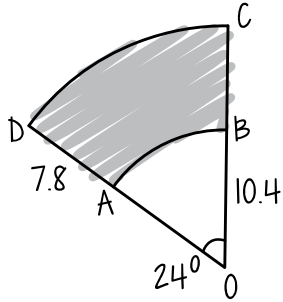
selesaikan setiap yang berikut

13.



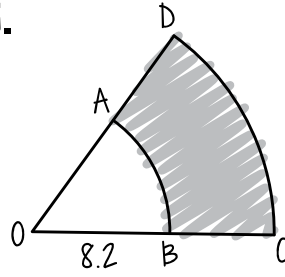
luas kawasan berlorek = ?

14.



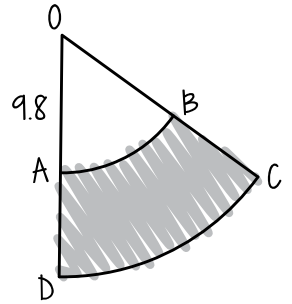
luas kawasan berlorek = ?

15.



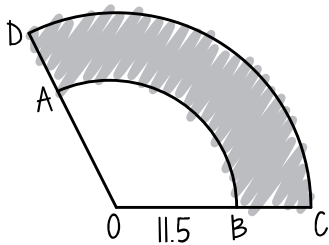
$\angle AOB = 0.75 \text{ rad}$
 perimeter kawasan berlorek = 29.35
 luas kawasan berlorek = ?

16.



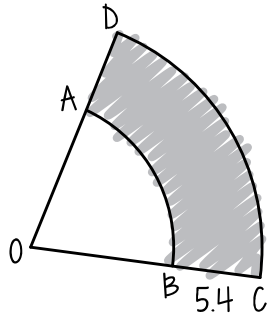
$\angle AOB = 0.84 \text{ rad}$
 perimeter kawasan berlorek = 37.48
 luas kawasan berlorek = ?

17.



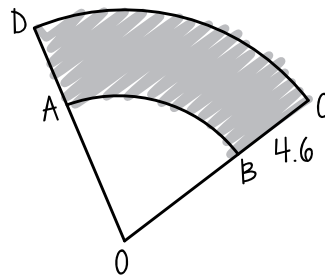
$\angle AOB = 1.64 \text{ rad}$
 perimeter kawasan berlorek = 61.38
 luas kawasan berlorek = ?

18.



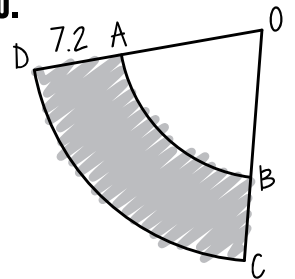
$\angle AOB = 1.25 \text{ rad}$
 perimeter kawasan berlorek = 50.55
 luas kawasan berlorek = ?

19.



$\angle AOB = 1.02 \text{ rad}$
 perimeter kawasan berlorek = 35.924
 luas kawasan berlorek = ?

20.



$\angle AOB = 1.42 \text{ rad}$
 perimeter kawasan berlorek = 73.756
 luas kawasan berlorek = ?

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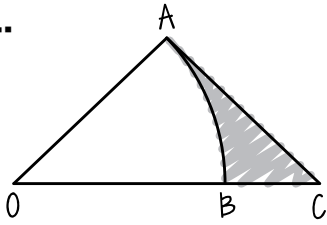


WORKSHEET 5: SUKATAN MEMBULAT

[6]

selesaikan setiap yang berikut

1.

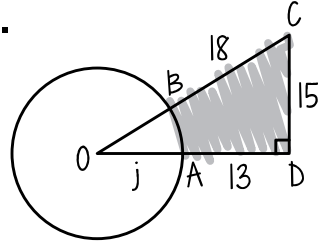


$$\angle AOB = 0.82 \text{ rad}$$

$$OA = AC = 14$$

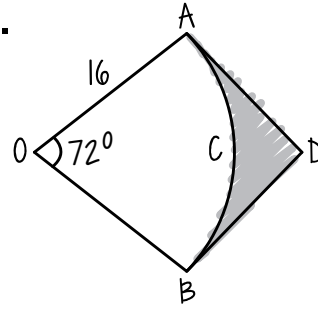
- luas kawasan berlorek
- perimeter kawasan berlorek

2.



- panjang lengkok AB
- luas kawasan berlorek

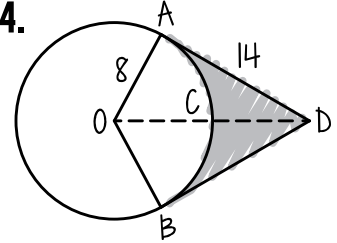
3.



AD dan BD ialah tangen kepada bulatan.

- panjang lengkok ACB dalam sebutan π
- luas sektor OACB dalam sebutan π
- panjang garis tembereng AB
- luas rantau berlorek

4.



AD dan BD ialah tangen kepada bulatan.

- panjang lengkok ACB
- luas rantau berlorek

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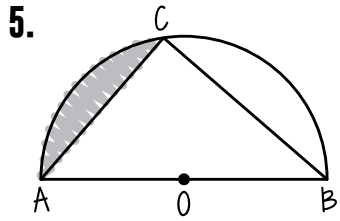
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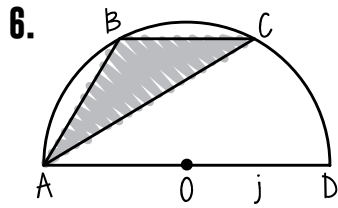
WORKSHEET 5: SUKATAN MEMBULAT

selesaikan setiap yang berikut

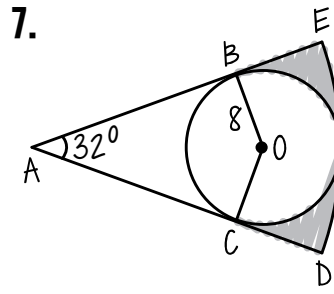


$\angle ABC = \frac{\pi}{5}$ rad
 $AB = 18$

- a) luas segitiga ABC
- b) luas kawasan berlorek

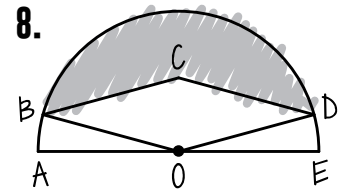


Panjang lengkok AB, BC dan CD adalah sama.
 Hitung luas kawasan berlorek dalam sebutan j.



AE dan AD ialah tangen kepada bulatan. AED ialah sektor bulatan.

- a) panjang lengkok ED
- b) luas rantau berlorek



OBCD ialah rombus.
 $O(5,7)$, $C(5,11)$, $E(13,7)$.

- a) luas sektor BOD
- b) luas rantau berlorek

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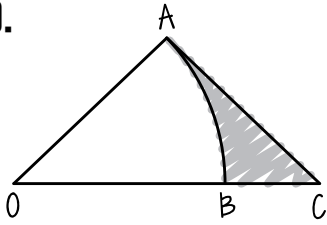
bit.ly/KapurPutehCloud



WORKSHEET 5: SUKATAN MEMBULAT

selesaikan setiap yang berikut

9.

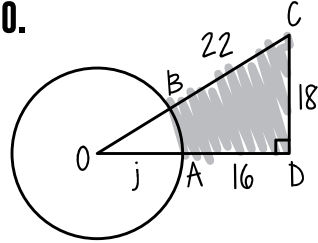


$\angle AOB = 0.65 \text{ rad}$

$OA = AC = 22$

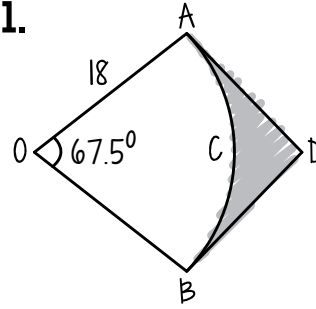
- a) luas kawasan berlorek
- b) perimeter kawasan berlorek

10.



- a) panjang lengkok AB
- b) luas kawasan berlorek

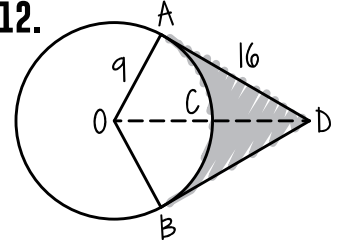
11.



AD dan BD ialah tangen kepada bulatan.

- a) panjang lengkok ACB dalam sebutan π
- b) luas sektor OACB dalam sebutan π
- c) panjang garis tembereng AB
- d) luas rantau berlorek

12.



AD dan BD ialah tangen kepada bulatan.

- a) panjang lengkok ACB
- b) luas rantau berlorek

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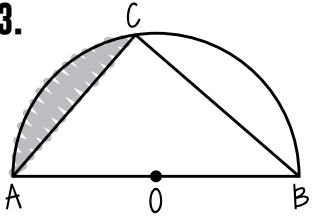
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WORKSHEET 5: SUKATAN MEMBULAT

selesaikan setiap yang berikut

13.

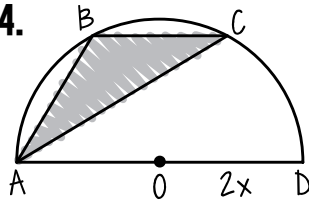


$$\angle ABC = \frac{\pi}{6} \text{ rad}$$

$$AB = 24$$

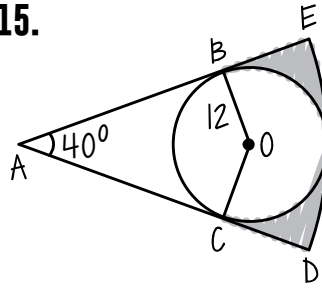
- luas segitiga ABC
- luas kawasan berlorek

14.



Panjang lengkok AB, BC dan CD adalah sama.
Hitung luas kawasan berlorek dalam sebutan x.

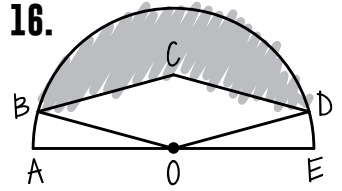
15.



AE dan AD ialah tangen kepada bulatan. AED ialah sektor bulatan.

- panjang lengkok ED
- luas rantau berlorek

16.



OBCD ialah rombus.
O(3,5), C(3,11), E(13,5).

- luas sektor BOD
- luas rantau berlorek

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