$\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

$$A\widehat{D}B = 20^{\circ}$$

$$A\hat{B}C = 20^{\circ}$$

What is $A\hat{C}B$?

What is $A\hat{C}B$?

$$A\hat{C}B = 20^{\circ}$$

$$A\widehat{B}C = 20^{\circ}$$

What is $A\widehat{B}C$?

What is \widehat{ADB} ?

$$A\widehat{D}B = 20^{\circ}$$

$$A\widehat{D}B = 90^{\circ}$$

What is $A\hat{B}C$?

What is $A\widehat{E}B$?

$$A\widehat{D}B = 20^{\circ}$$

$$A\hat{C}B = 20^{\circ}$$

What is $A\widehat{E}B$? (2 answers)

What is \widehat{ADB} ? (2 answers)

 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

Ratio

 \widehat{ADB} and \widehat{AEB} are in the ratio 2:7.

What is \widehat{ADB} ?

Equations

 $A\widehat{B}C$ is 10° greater than $A\widehat{D}B$.

What is $A\hat{B}C$?

Percentages

 $A\hat{B}C$ is 25% of the size of $A\hat{C}B$.

What is $A\hat{B}C$?

Averages

The mean of $A\hat{C}B$ and $A\hat{D}B$ is 24°.

What is $A\widehat{D}B$?

Sequences

The angles of quadrilateral *ABDE* form an arithmetic sequence. The smallest angle is 45°. What is the second smallest angle?

Bounds

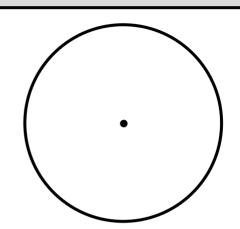
 $A\hat{C}B$ is 30° , to the nearest 10° .

What is the range of possible values for $A\widehat{D}B$?

 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

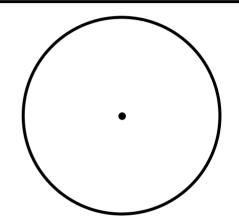
$$A\widehat{D}B = 20^{\circ}$$

What is $A\hat{C}B$?



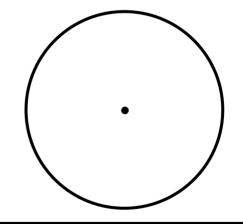
$$A\hat{C}B = 20^{\circ}$$

What is $A\widehat{B}C$?



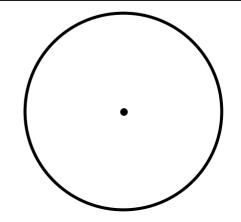
$$A\widehat{D}B = 20^{\circ}$$

What is $A\widehat{B}C$?



$$A\widehat{D}B = 20^{\circ}$$

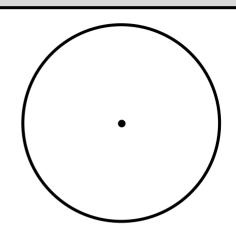
What is $A\widehat{E}B$? (2 answers)



 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

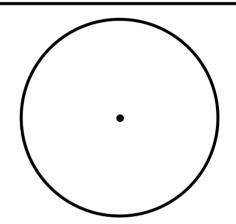
$$A\hat{B}C = 20^{\circ}$$

What is $A\hat{C}B$?



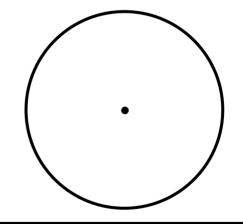
$$A\widehat{B}C = 20^{\circ}$$

What is \widehat{ADB} ?



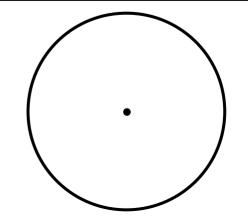
$$A\widehat{D}B = 90^{\circ}$$

What is $A\widehat{E}B$?



$$A\hat{C}B = 20^{\circ}$$

What is \widehat{ADB} ? (2 answers)

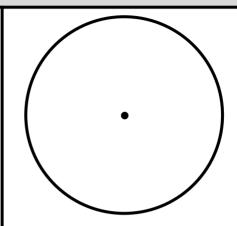


 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

Ratio

 \widehat{ADB} and \widehat{AEB} are in the ratio 2:7.

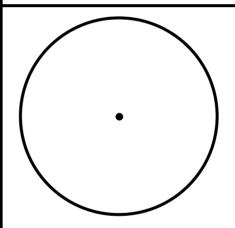
What is \widehat{ADB} ?



Percentages

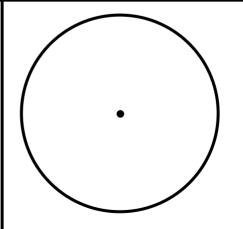
 $A\hat{B}C$ is 25% of the size of $A\hat{C}B$.

What is $A\hat{B}C$?



Sequences

The angles of quadrilateral *ABDE* form an arithmetic sequence. The smallest angle is 45°. What is the second smallest angle?

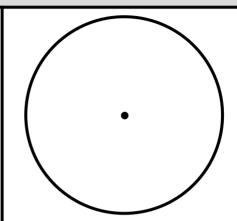


 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

Equations

 $A\widehat{B}C$ is 10° greater than $A\widehat{D}B$.

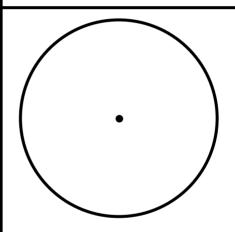
What is $A\hat{B}C$?



Averages

The mean of $A\hat{C}B$ and $A\widehat{D}B$ is 24°.

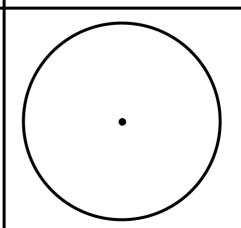
What is $A\widehat{D}B$?



Bounds

 $A\hat{C}B$ is 30°, to the nearest 10°.

What is the range of possible values for $A\widehat{D}B$?



 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

$A\widehat{D}B$	=	20	0
DD			•

What is $A\hat{C}B$?

40°

$$A\hat{C}B = 20^{\circ}$$

What is $A\widehat{B}C$?

80°

$$A\widehat{D}B = 20^{\circ}$$

What is $A\hat{B}C$?

70°

$$A\widehat{D}B = 20^{\circ}$$

What is $A\widehat{E}B$? (2 answers)

20° or 160°

 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

$$A\widehat{B}C = 20^{\circ}$$

What is $A\hat{C}B$?

140°

$$A\widehat{B}C = 20^{\circ}$$

What is \widehat{ADB} ? (2 answers)

70° or 110°

$$A\widehat{D}B = 90^{\circ}$$

What is $A\hat{E}B$?

90°

$$A\hat{C}B = 20^{\circ}$$

What is \widehat{ADB} ? (2 answers)

10° or 170°

 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

Ratio

 $A\widehat{D}B$ and $A\widehat{E}B$ are in the ratio 2:7.

What is \widehat{ADB} ?

Percentages

 $A\hat{B}C$ is 25% of the size of $A\hat{C}B$.

What is $A\hat{B}C$?

Sequences

The angles of quadrilateral ABDE form an arithmetic sequence. The smallest angle is 45° . What is the second smallest angle?

40°

30°

105°

 $\it C$ is the centre of the circle, all other points are on the circumference. All the angles are less than 180° .

Equations

 $A\widehat{B}C$ is 10° greater than $A\widehat{D}B$.

What is $A\hat{B}C$?

50°

Averages

The mean of $A\hat{C}B$ and $A\hat{D}B$ is 24°.

What is \widehat{ADB} ?

16°

Bounds

 $A\hat{C}B$ is 30°, to the nearest 10°.

What is the range of possible values for $A\widehat{D}B$?

 $12.5^{\circ} \le \theta < 17.5^{\circ}$ or $172.5 < \theta < 177.5$