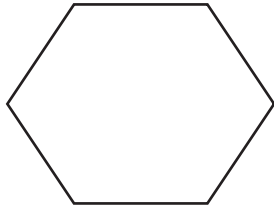


**Exterior Angle**

Example:

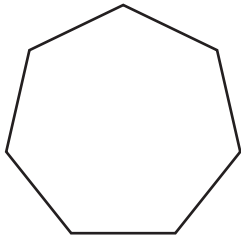


**Sum of Exterior angles = 360°**

$$\begin{aligned} \text{Exterior angle} &= \frac{\text{Sum of the exterior angles}}{\text{Number of sides}} \\ &= \frac{360^\circ}{6} \\ &= 60^\circ \end{aligned}$$

Find the exterior angle for each regular polygon. Round the answer to nearest whole number.

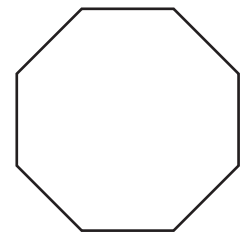
1)



Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

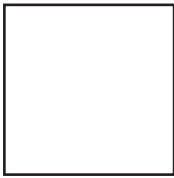
2)



Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

4)



Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

7)

regular 13-gon

Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

10)

regular 20-gon

Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

11)

regular 18-gon

Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

12)

regular 14-gon

Number of sides = \_\_\_\_\_

Each exterior angle = \_\_\_\_\_

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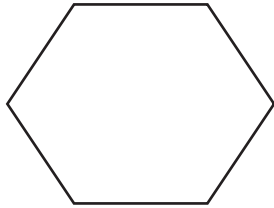
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**Exterior Angle**

Sheet 3

Example:

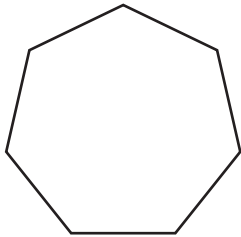


$$\text{Sum of Exterior angles} = 360^\circ$$

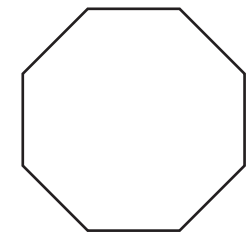
$$\begin{aligned} \text{Exterior angle} &= \frac{\text{Sum of the exterior angles}}{\text{Number of sides}} \\ &= \frac{360^\circ}{6} \\ &= 60^\circ \end{aligned}$$

Find the exterior angle for each regular polygon. Round the answer to nearest whole number.

1)

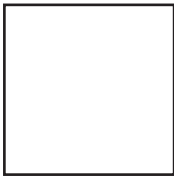
Number of sides = Each exterior angle = 

2)

Number of sides = Each exterior angle = 

3)

4)

Number of sides = Each exterior angle = 

7)

regular 13-gon

Number of sides = Each exterior angle = 

10)

regular 20-gon

Number of sides = Each exterior angle = 

11)

regular 18-gon

Number of sides = Each exterior angle = 

12)

regular 14-gon

Number of sides = Each exterior angle = **PREVIEW**

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