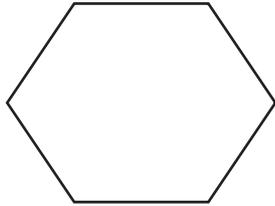


Exterior Angle

Example:

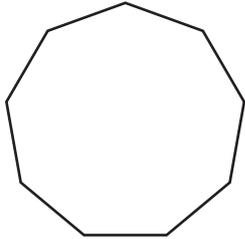


Sum of Exterior angles = 360°

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

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

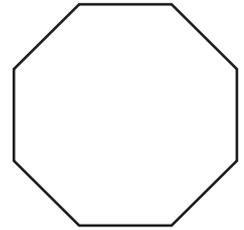
1)



Number of sides = _____

Each exterior angle = _____

2)

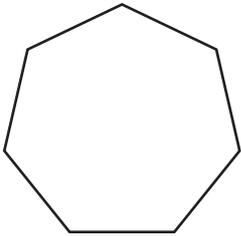


Number of sides = _____

Each exterior angle = _____

3)

4)



Number of sides = _____

Each exterior angle = _____

7)

regular 18-gon

Number of sides = _____

Each exterior angle = _____

10)

regular 14-gon

Number of sides = _____

Each exterior angle = _____

11)

regular 12-gon

Number of sides = _____

Each exterior angle = _____

12)

regular 19-gon

Number of sides = _____

Each exterior angle = _____

PREVIEW

Access the largest collection of
worksheets for just **\$19.95** per year!

Members, please
log in to
download this
worksheet.

Log in

Not a member?
Please sign up to
gain complete
access.

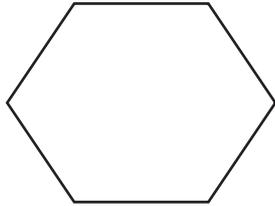
Sign up

www.mathworksheets4kids.com

Exterior Angle

Sheet 2

Example:

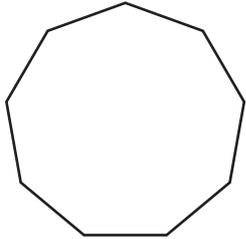


$$\text{Sum of Exterior angles} = 360^\circ$$

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

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

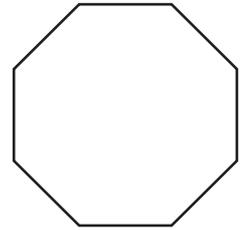
1)

Number of sides = Each exterior angle =

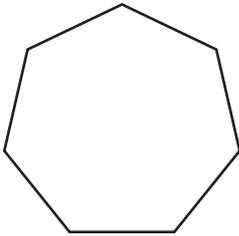
2)

Number of sides = Each exterior angle =

3)

Number of sides = Each exterior angle =

4)

Number of sides = Each exterior angle =

7)

regular 18-gon

Number of sides = Each exterior angle =

10)

regular 14-gon

Number of sides = Each exterior angle =

11)

regular 12-gon

Number of sides = Each exterior angle =

12)

regular 19-gon

Number of sides = Each exterior angle =

PREVIEW

Access the largest collection of
worksheets for just **\$19.95** per year!

Members, please
log in to
download this
worksheet.

Log in

Not a member?
Please sign up to
gain complete
access.

Sign up

www.mathworksheets4kids.com