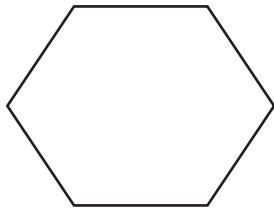


**Interior Angle**

MS2

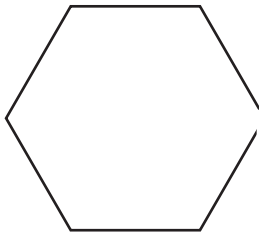
Example:



$$\begin{aligned} \text{Interior angle} &= \frac{\text{sum of interior angles}}{\text{Number of sides}} \\ &= \frac{720^\circ}{6} \\ &= \mathbf{120^\circ} \end{aligned}$$

Find the interior angle for each regular polygon. Round the answer to nearest tenths if necessary.

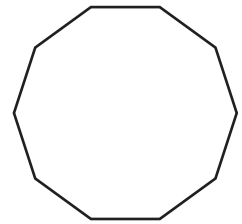
1)



2)



3)



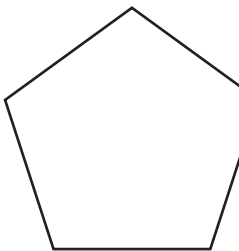
Sum of the interior angles =

Sum of the interior angles =

Each interior angle =

Each interior angle =

4)



Sum of the interior angles =

Sum of the interior angles =

Each interior angle =

Each interior angle =

7)

regular 20-gon

Sum of the interior angles =

Sum of the interior angles =

Sum of the interior angles =

Each interior angle =

Each interior angle =

Each interior angle =

10)

regular 14-gon

11)

regular 12-gon

12)

regular 19-gon

Sum of the interior angles =

Sum of the interior angles =

Sum of the interior angles =

Each interior angle =

Each interior angle =

Each interior 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.

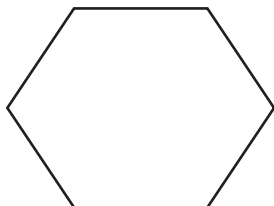
Sign up

www.mathworksheets4kids.com

## Interior Angle

MS2

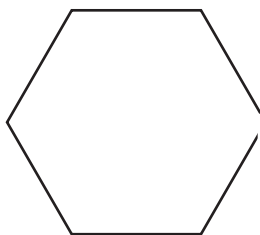
Example:



$$\begin{aligned} \text{Interior angle} &= \frac{\text{sum of interior angles}}{\text{Number of sides}} \\ &= \frac{720^\circ}{6} \\ &= 120^\circ \end{aligned}$$

Find the interior angle for each regular polygon. Round the answer to nearest tenths if necessary.

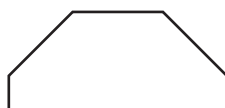
1)



Sum of the interior angles = **720°**

Each interior angle = **120°**

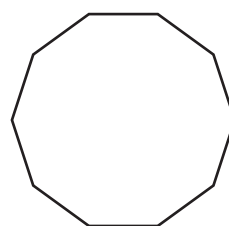
2)



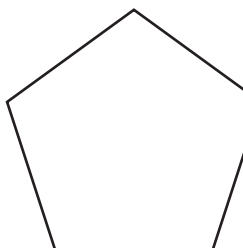
Sum of the interior angles = **1440°**

Each interior angle = **144°**

3)



4)



Sum of the interior angles = **540°**

Each interior angle = **108°**

7)

regular 20-gon

Sum of the interior angles = **3240°**

Each interior angle = **162°**

10)

regular 14-gon

Sum of the interior angles = **2160°**

Each interior angle = **154.3°**

11)

regular 12-gon

Sum of the interior angles = **2880°**

Each interior angle = **160°**

Sum of the interior angles = **1800°**

Each interior angle = **150°**

12)

regular 19-gon

Sum of the interior angles = **1980°**

Each interior angle = **152.3°**

Sum of the interior angles = **3060°**

Each interior angle = **161.1°**

# 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](http://www.mathworksheets4kids.com)