$\qquad$

## Exterior Angle

## Example:



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

Exterior angle $=\frac{\text { Sum of the exterior angles }}{\text { Number of sides }}$

$$
\begin{aligned}
& =\frac{360^{\circ}}{6} \\
& =60^{\circ}
\end{aligned}
$$

Find the exterior angle for each regular polygon. Round the answer to nearest whole number.
1)

4)

7)
regular 18-gon Number of sides $=$ : $\because \ldots \ldots$

Each exterior angle

regular 14-gon
11)


Each exterior angle $=$
6)


regular 20-gon


regular 12-gon
12)


Each exterior angle $=:-\cdots \cdots \cdots$




Number of sides $\qquad$
 regular 15-gon


regular 19-gon Number of sides $=$ !

Each exterior angle $\qquad$
$\qquad$

Find the exterior angle for each regular polygon. Round the answer to nearest whole number.
1)


Each exterior angle $=, \ldots \ldots \ldots \ldots$
4)

7)
regular 18-gon


Each exterior angle $\square$ regular 14-gon Number of sides $=$ 14

8)
11)
2)


Each exterior angle $=\frac{\square}{\ddots} \cdot \ldots$
6)


regular 20-gon


Each exterior angle $=: \quad 18^{0}$
regular 12-gon
12)

## Number of sides = 12

Each exterior angle $\square$


Number of sides $=$ Each exterior angle $=$


Number of sides $=$ Each exterior angle $=0 \begin{gathered}\square \\ \ddots\end{gathered}$ regular 15-gon Number of sides $=\frac{15}{\ddots-\cdots}$

regular 19-gon

Number of sides $=19$

Each exterior angle = $19^{0}$

