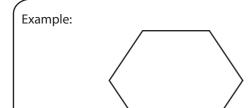
Exterior Angle

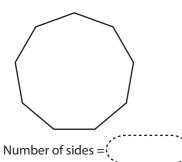


Sum of Exterior angles = 360°

Exterior angle = Sum of the exterior angles Number of sides $=60^{\circ}$

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

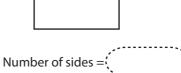
1)

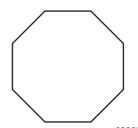


2)









Number of sides =

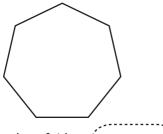
Each exterior angle =

Each exterior angle =

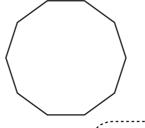
Each exterior angle = (

4)

7)

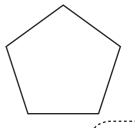


Number of sides =



Number of sides =

regular 20-gon



Number of sides =

regular 15-gon

regular 19-gon

Each exterior angle =

Each exterior angle =

Each exterior angle =

regular 18-gon

Number of sides =

Number of sides =

Number of sides =

Each exterior angle =

Each exterior angle = (

Each exterior angle =

10) regular 14-gon 11)

regular 12-gon 12)

Number of sides = (

Number of sides =

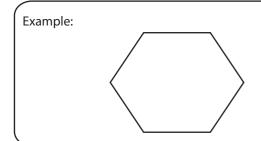
Number of sides =

Each exterior angle =

Each exterior angle =

Each exterior angle =

Answer Key

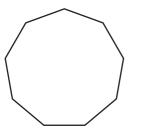


Sum of Exterior angles = 360°

Exterior angle = $\frac{\text{Sum of the exterior angles}}{\text{Number of sides}}$ $=60^{\circ}$

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

1)



Number of sides = (9

Each exterior angle = (40°) Each exterior angle = (90°) Each exterior angle = (45°)

2)

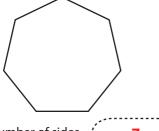


Number of sides = 4

Number of sides = (8

4)

7)



Number of sides = (7

Each exterior angle = (51°) Each exterior angle = (72°) Each exterior angle = (72°)

regular 18-gon

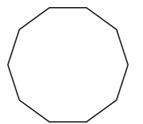
Number of sides = 18

Each exterior angle = 20°

10) regular 14-gon 11)

Number of sides = (14)

Each exterior angle = (26°)



Number of sides = \(\text{10} \)

regular 20-gon

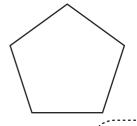
Number of sides = 20

Each exterior angle = (18°)

regular 12-gon

Number of sides = (12)

Each exterior angle = (30°) Each exterior angle = (19°)



Number of sides $= \frac{5}{3}$

regular 15-gon

Number of sides = 15

Each exterior angle = (24°)

regular 19-gon

12)

Number of sides = 19