

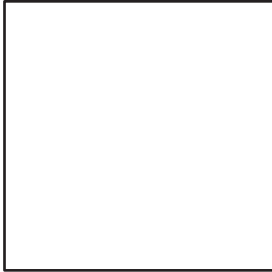
Name : \_\_\_\_\_

## Sum of Interior Angles

MS5

Find the sum of the interior angles of each polygon.

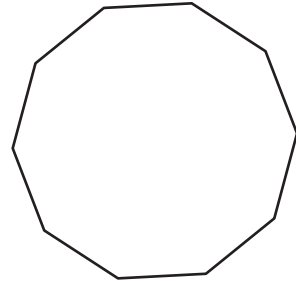
1)



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

Sum of the interior angles = \_\_\_\_\_

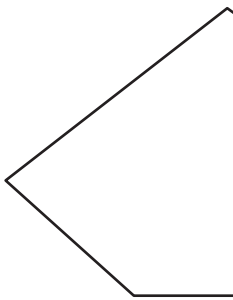
2)



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

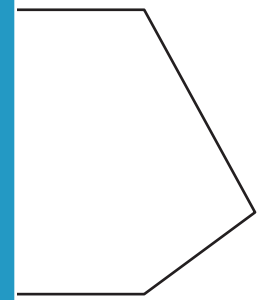
Sum of the interior angles = \_\_\_\_\_

3)



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

Sum of the interior angles = \_\_\_\_\_



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

Sum of the interior angles = \_\_\_\_\_

5) 22-gon

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

Sum of the interior angles = \_\_\_\_\_

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

Sum of the interior angles = \_\_\_\_\_

7) 17-gon

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

Sum of the interior angles = \_\_\_\_\_

8) 11-gon

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

Sum of the interior angles = \_\_\_\_\_

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Name : \_\_\_\_\_

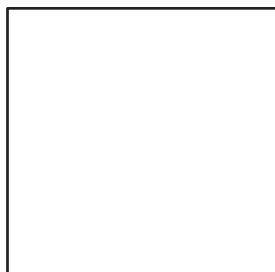
## Answer key

### Sum of Interior Angles

MS5

Find the sum of the interior angles of each polygon.

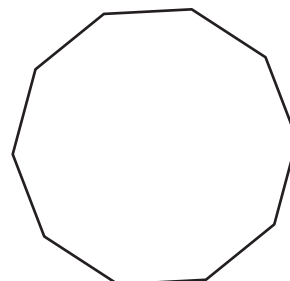
1)



Number of sides = 4

Sum of the interior angles = 360°

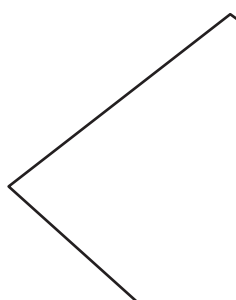
2)



Number of sides = 8

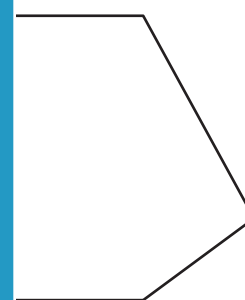
Sum of the interior angles = 1440°

3)



Number of sides = 6

Sum of the interior angles = 720°



Number of sides = 5

Sum of the interior angles = 540°

5) 22-gon

Number of sides = 22

Sum of the interior angles = 3600°

8) 11-gon

Number of sides = 11

Sum of the interior angles = 1620°

7) 17-gon

Number of sides = 17

Sum of the interior angles = 2700°

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