Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

Find the sum of interior angles for 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: [ ]

4) Number of sides: [ ]
   Sum of the interior angles: [ ]

5) Number of sides: [ ]
   Sum of the interior angles: [ ]

6) Number of sides: [ ]
   Sum of the interior angles: [ ]

7) Number of sides: [ ]
   Sum of the interior angles: [ ]

8) Number of sides: [ ]
   Sum of the interior angles: [ ]

9) Number of sides: [ ]
   Sum of the interior angles: [ ]
Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

Find the sum of interior angles for each polygon.

1) Number of sides: 8
   Sum of the interior angles: 1080°

2) Number of sides: 5
   Sum of the interior angles: 540°

3) Number of sides: 6
   Sum of the interior angles: 720°

4) Number of sides: 4
   Sum of the interior angles: 360°

5) Number of sides: 9
   Sum of the interior angles: 1260°

6) Number of sides: 7
   Sum of the interior angles: 900°

7) Number of sides: 10
   Sum of the interior angles: 1440°

8) Number of sides: 8
   Sum of the interior angles: 1080°

9) Number of sides: 5
   Sum of the interior angles: 540°
Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

Find the sum of interior angles for 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:  

4)  
   Number of sides:  
   Sum of the interior angles:  

5)  
   Number of sides:  
   Sum of the interior angles:  

6)  
   Number of sides:  
   Sum of the interior angles:  

7)  
   Number of sides:  
   Sum of the interior angles:  

8)  
   Number of sides:  
   Sum of the interior angles:  

9)  
   Number of sides:  
   Sum of the interior angles:  

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Example:

Sum of the interior angles = (Number of sides - 2) \times 180\degree

= (6 - 2) \times 180\degree

= 4 \times 180\degree = 720\degree

Find the sum of interior angles for each polygon.

1) Number of sides: 9
   Sum of the interior angles: 1260\degree

2) Number of sides: 4
   Sum of the interior angles: 360\degree

3) Number of sides: 8
   Sum of the interior angles: 1080\degree

4) Number of sides: 5
   Sum of the interior angles: 540\degree

5) Number of sides: 10
   Sum of the interior angles: 1440\degree

6) Number of sides: 6
   Sum of the interior angles: 720\degree

7) Number of sides: 7
   Sum of the interior angles: 900\degree

8) Number of sides: 4
   Sum of the interior angles: 360\degree

9) Number of sides: 9
   Sum of the interior angles: 1260\degree
Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

Find the sum of interior angles for 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: ___

4) Number of sides: ___ Sum of the interior angles: ___

5) Number of sides: ___ Sum of the interior angles: ___

6) Number of sides: ___ Sum of the interior angles: ___

7) Number of sides: ___ Sum of the interior angles: ___

8) Number of sides: ___ Sum of the interior angles: ___

9) Number of sides: ___ Sum of the interior angles: ___
Find the sum of interior angles for each polygon.

Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

1) Number of sides: 4
   Sum of the interior angles: 360°

2) Number of sides: 10
   Sum of the interior angles: 1440°

3) Number of sides: 5
   Sum of the interior angles: 540°

4) Number of sides: 7
   Sum of the interior angles: 900°

5) Number of sides: 6
   Sum of the interior angles: 720°

6) Number of sides: 4
   Sum of the interior angles: 360°

7) Number of sides: 8
   Sum of the interior angles: 1080°

8) Number of sides: 5
   Sum of the interior angles: 540°

9) Number of sides: 9
   Sum of the interior angles: 1260°
Example:

Sum of the interior angles = (Number of sides - 2) × 180°

= (6 - 2) × 180°

= 4 × 180° = 720°

Find the sum of interior angles for 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 =

4) 

Number of sides =

Sum of the interior angles =

5) 

Number of sides =

Sum of the interior angles =

6) 

Number of sides =

Sum of the interior angles =

7) regular 13-gon

Number of sides =

Sum of the interior angles =

8) regular 17-gon

Number of sides =

Sum of the interior angles =

9) regular 12-gon

Number of sides =

Sum of the interior angles =

10) regular 18-gon

Number of sides =

Sum of the interior angles =

11) regular 19-gon

Number of sides =

Sum of the interior angles =

12) regular 14-gon

Number of sides =

Sum of the interior angles =
Example:

Find the sum of interior angles for each polygon.

1) Number of sides = 5
   Sum of the interior angles = 540°

2) Number of sides = 6
   Sum of the interior angles = 720°

3) Number of sides = 4
   Sum of the interior angles = 360°

4) Number of sides = 9
   Sum of the interior angles = 1260°

5) Number of sides = 8
   Sum of the interior angles = 1080°

6) Number of sides = 10
   Sum of the interior angles = 1440°

7) regular 13-gon
   Number of sides = 13
   Sum of the interior angles = 1980°

8) regular 17-gon
   Number of sides = 17
   Sum of the interior angles = 2700°

9) regular 12-gon
   Number of sides = 12
   Sum of the interior angles = 1800°

10) regular 18-gon
    Number of sides = 18
    Sum of the interior angles = 2880°

11) regular 19-gon
    Number of sides = 19
    Sum of the interior angles = 3060°

12) regular 14-gon
    Number of sides = 14
    Sum of the interior angles = 2160°
Sum of Interior Angles

Example:

Sum of the interior angles = (Number of sides - 2) $\times$ $180^\circ$

$= (6 - 2) \times 180^\circ$

$= 4 \times 180^\circ = 720^\circ$

Find the sum of interior angles for 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 = 

4) Number of sides = 
Sum of the interior angles = 

5) Number of sides = 
Sum of the interior angles = 

6) Number of sides = 
Sum of the interior angles = 

7) regular 19-gon
Number of sides = 
Sum of the interior angles = 

8) regular 12-gon
Number of sides = 
Sum of the interior angles = 

9) regular 15-gon
Number of sides = 
Sum of the interior angles = 

10) regular 14-gon
Number of sides = 
Sum of the interior angles = 

11) regular 17-gon
Number of sides = 
Sum of the interior angles = 

12) regular 20-gon
Number of sides = 
Sum of the interior angles =

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Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

Find the sum of interior angles for each polygon.

1) Number of sides = 4
   Sum of the interior angles = 360^\circ

2) Number of sides = 6
   Sum of the interior angles = 720^\circ

3) Number of sides = 8
   Sum of the interior angles = 1080^\circ

4) Number of sides = 10
   Sum of the interior angles = 1440^\circ

5) Number of sides = 5
   Sum of the interior angles = 540^\circ

6) Number of sides = 7
   Sum of the interior angles = 900^\circ

7) regular 19-gon
   Number of sides = 19
   Sum of the interior angles = 3060^\circ

8) regular 12-gon
   Number of sides = 12
   Sum of the interior angles = 1800^\circ

9) regular 15-gon
   Number of sides = 15
   Sum of the interior angles = 2340^\circ

10) regular 14-gon
    Number of sides = 14
    Sum of the interior angles = 2160^\circ

11) regular 17-gon
    Number of sides = 17
    Sum of the interior angles = 2700^\circ

12) regular 20-gon
    Number of sides = 20
    Sum of the interior angles = 3240^\circ
Example:

Sum of the interior angles = (Number of sides - 2) \times 180^\circ

= (6 - 2) \times 180^\circ

= 4 \times 180^\circ = 720^\circ

Find the sum of interior angles for 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 =

4)  
Number of sides =  
Sum of the interior angles =

5)  
Number of sides =  
Sum of the interior angles =

6)  
Number of sides =  
Sum of the interior angles =

7)  regular 11-gon  
Number of sides =  
Sum of the interior angles =

8)  regular 16-gon  
Number of sides =  
Sum of the interior angles =

9)  regular 19-gon  
Number of sides =  
Sum of the interior angles =

10) regular 18-gon  
Number of sides =  
Sum of the interior angles =

11) regular 14-gon  
Number of sides =  
Sum of the interior angles =

12) regular 12-gon  
Number of sides =  
Sum of the interior angles =
Example:

Sum of the interior angles = (Number of sides - 2) × 180°

= (6 - 2) × 180°

= 4 × 180° = 720°

Find the sum of interior angles for each polygon.

1) Number of sides = 6
   Sum of the interior angles = 720°

2) Number of sides = 4
   Sum of the interior angles = 360°

3) Number of sides = 5
   Sum of the interior angles = 540°

4) Number of sides = 7
   Sum of the interior angles = 900°

5) Number of sides = 9
   Sum of the interior angles = 1260°

6) Number of sides = 8
   Sum of the interior angles = 1080°

7) regular 11-gon
   Number of sides = 11
   Sum of the interior angles = 1620°

8) regular 16-gon
   Number of sides = 16
   Sum of the interior angles = 2520°

9) regular 19-gon
   Number of sides = 19
   Sum of the interior angles = 3060°

10) regular 18-gon
    Number of sides = 18
    Sum of the interior angles = 2880°

11) regular 14-gon
    Number of sides = 14
    Sum of the interior angles = 2160°

12) regular 12-gon
    Number of sides = 12
    Sum of the interior angles = 1800°