

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

Date \_\_\_\_\_

Topic: Sum of Interior Angles- Worksheet 1

Do the following:

1. What is the sum of the interior angles of a pentagon?
2. How many degrees are there in the sum of the interior angles of a nine sided polygon?
3. If the sum of the interior angles of a polygon equals 1080, then determine the sides of the polygon.
4. How many sides does a polygon have if the sum of its interior angles is 1620°?
5. What is a polygon called if the sum of its interior angles equals 6840s?
6. How many degrees are there in the sum of the interior angles of an eighteen sided polygon?
7. What is the sum of the interior angles of a Octagon?
8. How many degrees are there in the sum of the interior angles of a seventeen sided polygon?
9. If the sum of the interior angles of a polygon equals 1980, how many sides does the polygon have?
10. What is the sum of the interior angles of a quadrilateral?



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Topic: Sum of Interior Angles- Worksheet 2

Do the following:

1. What is the sum of the interior angles of a nonagon?
2. How many degrees are there in the sum of the interior angles of an eleven sided polygon?
3. If the sum of the interior angles of a polygon equals 1260, then determine the sides of the polygon.
4. How many sides does a polygon have if the sum of its interior angles is  $6840^\circ$ ?
5. What is a polygon called if the sum of its interior angles equals 1800?
6. How many degrees are there in the sum of the interior angles of a fourteen sided polygon?
7. What is the sum of the interior angles of a hexagon?
8. How many degrees are there in the sum of the interior angles of a six sided polygon?
9. If the sum of the interior angles of a polygon equals 1440, how many sides does the polygon have?
10. What is the sum of the interior angles of a pentagon?



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Topic: Sum of Interior Angles- Worksheet 3

Do the following:

1. What is the sum of the interior angles of a Decagon?
2. How many degrees are there in the sum of the interior angles of a twelve sided polygon?
3. If the sum of the interior angles of a polygon equals 1620, then determine the sides of the polygon.
4. How many sides does a polygon have if the sum of its interior angles is 5040°?
5. What is a polygon called if the sum of its interior angles equals 2340?
6. How many degrees are there in the sum of the interior angles of a thirteen sided polygon?
7. What is the sum of the interior angles of a nonagon?
8. How many degrees are there in the sum of the interior angles of a twenty sided polygon?
9. If the sum of the interior angles of a polygon equals 2520, how many sides does the polygon have?
10. What is the sum of the interior angles of a octagon?



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Topic: Sum of Interior Angles- Worksheet 4

Do the following:

1. What is the sum of the interior angles of a Hendecagon?
2. How many degrees are there in the sum of the interior angles of a thirteen sided polygon?
3. If the sum of the interior angles of a polygon equals 2700, then determine the sides of the polygon.
4. How many sides does a polygon have if the sum of its interior angles is  $2880^\circ$ ?
5. What is a polygon called if the sum of its interior angles equals 1260?
6. How many degrees are there in the sum of the interior angles of a fifteen sided polygon?
7. What is the sum of the interior angles of a dodecagon?
8. How many degrees are there in the sum of the interior angles of a thirty sided polygon?
9. If the sum of the interior angles of a polygon equals 2340, how many sides does the polygon have?
10. What is the sum of the interior angles of a decagon?



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Topic: Sum of Interior Angles- Worksheet 5

Do the following:

1. What is the sum of the interior angles of a Nonagon?
2. How many degrees are there in the sum of the interior angles of a seventeen sided polygon?
3. If the sum of the interior angles of a polygon equals 1620, then determine the sides of the polygon.
4. How many sides does a polygon have if the sum of its interior angles is 1980°?
5. What is a polygon called if the sum of its interior angles equals 720?
6. How many degrees are there in the sum of the interior angles of a ten sided polygon?
7. What is the sum of the interior angles of a heptadecagon?
8. How many degrees are there in the sum of the interior angles of a nine sided polygon?
9. If the sum of the interior angles of a polygon equals 1620, how many sides does the polygon have?
10. What is the sum of the interior angles of a hexagon?

