

Name: _____

Date _____

Topic: Polygons - Each Exterior Angles - Worksheet 1

1. What is the measure of the exterior angle of a regular octagon?
2. How many degrees are there in the exterior angle, if the sum of the interior angles of a polygon equals 2880° ?
3. If the sum of the interior angles of a polygon equals 2340° , what is the measure of exterior angle of the given polygon?
4. How many degrees are in sum of exterior angles does a polygon have if the sum of its interior angles is 3240° ?
5. What is a polygon called if each exterior angle equals 72° ?
6. What is the measure of exterior angle in a regular a twenty Four sided polygon?
7. If the measure of a central angle in a regular polygon is 54, what is the measure of exterior angle of the given polygon?
8. What is the exterior angle of a regular ten sided polygon?
9. How many degrees are there in each exterior angle of a Twenty sided polygon?
10. If the sum of the interior angles of a polygon equals 1440° , what is the measure of exterior angle of the given polygon?



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Topic : Polygons - Each Exterior Angles - Worksheet 2

1. What is the measure of the exterior angle of a regular nonagon?
2. How many degrees are there in the exterior angle, if the sum of the interior angles of a polygon equals 1260° ?
3. If the sum of the interior angles of a polygon equals 1080° , what is the measure of exterior angle of the given polygon?
4. How many degrees are in sum of exterior angles does a polygon have if the sum of its interior angles is 2340° ?
5. What is a polygon called if each exterior angle equals 45° ?
6. What is the measure of exterior angle in a regular a twenty six sided polygon?
7. If the measure of a central angle in a regular polygon is 60 , what is the measure of exterior angle of the given polygon?
8. What is the exterior angle of a regular Twelve sided polygon?
9. How many degrees are there in each exterior angle of a Sixteen sided polygon?
10. If the sum of the interior angles of a polygon equals 3240° , what is the measure of exterior angle of the given polygon?



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Topic: Polygons - Each Exterior Angles - Worksheet 3

1. What is the measure of the exterior angle of a regular dodecagon?
2. How many degrees are there in the exterior angle, if the sum of the interior angles of a polygon equals 2520° ?
3. If the sum of the interior angles of a polygon equals 5040° , what is the measure of exterior angle of the given polygon?
4. How many degrees are in sum of exterior angles does a polygon have if the sum of its interior angles is 2340° ?
5. What is a polygon called if each exterior angle equals 30° ?
6. What is the measure of exterior angle in a regular a Nineteen sided polygon?
7. If the measure of a central angle in a regular polygon is 72, what is the measure of exterior angle of the given polygon?
8. What is the exterior angle of a regular Twenty one sided polygon?
9. How many degrees are there in each exterior angle of a Fifteen sided polygon?
10. If the sum of the interior angles of a polygon equals 1800° , what is the measure of exterior angle of the given polygon?



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Topic: Polygons - Each Exterior Angles - Worksheet 4

1. What is the measure of the exterior angle of a regular Hexagon?
2. How many degrees are there in the exterior angle, if the sum of the interior angles of a polygon equals 5040° ?
3. If the sum of the interior angles of a polygon equals 2160° , what is the measure of exterior angle of the given polygon?
4. How many degrees are in sum of exterior angles does a polygon have if the sum of its interior angles is 1260° ?
5. What is a polygon called if each exterior angle equals 40° ?
6. What is the measure of exterior angle in a regular a Twenty eight sided polygon?
7. If the measure of a central angle in a regular polygon is 36, what is the measure of exterior angle of the given polygon?
8. What is the exterior angle of a regular Twenty Four sided polygon?
9. How many degrees are there in each exterior angle of a thirteen sided polygon?
10. If the sum of the interior angles of a polygon equals 2340° , what is the measure of exterior angle of the given polygon?



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Topic: Polygons - Each Exterior Angles - Worksheet 5

1. What is the measure of the exterior angle of a regular Heptagon?
2. How many degrees are there in the exterior angle, if the sum of the interior angles of a polygon equals 1620° ?
3. If the sum of the interior angles of a polygon equals 1980° , what is the measure of exterior angle of the given polygon?
4. How many degrees are in sum of exterior angles does a polygon have if the sum of its interior angles is 2340° ?
5. What is a polygon called if each exterior angle equals 60° ?
6. What is the measure of exterior angle in a regular a Twenty seven sided polygon?
7. If the measure of a central angle in a regular polygon is 40, what is the measure of exterior angle of the given polygon?
8. What is the exterior angle of a regular Seventeen sided polygon?
9. How many degrees are there in each exterior angle of a Fourteen sided polygon?
10. If the sum of the interior angles of a polygon equals 2880° , what is the measure of exterior angle of the given polygon?

