Name: _____   Date _____

Topic: *Polygons – Each Interior Angles – Worksheet 1*

1. How many sides does a polygon have if each interior angle is 144°?

2. What is a polygon called if the each interior angle equals 162°?

3. What is the measure of each interior angle in a regular Decagon?

4. What is the measure of a central angle if each interior angle of the polygon is 60°?

5. If the sum of the interior angles of a polygon equals 5040°, how many degrees in each interior angle does the polygon have?

6. How many degrees in each interior angle does a polygon have if the sum of its interior angles is 1080°?

7. What is the measure of each interior angle if the sum of its interior angles is 2880°?

8. What is the measure of each interior angle in a regular twenty four sided polygon?

9. If the measure of a central angle in a regular polygon is 112, what is the measure of each interior angle of the given polygon?

10. What is the measure of each interior angle of a twenty five sided regular polygon?

Name: _____   Date _____

Topic: _Polygons - Each Interior Angles - Worksheet 2_

1. How many sides does a polygon have if each angle is 135º?

2. What is a polygon called if the each interior angle equals 156º?

3. What is the measure of each interior angle in a regular Hexagon?

4. What is the measure of a central angle each interior angle of the polygon is 68º?

5. If the sum of the interior angles of a polygon equals 3960º, how many degrees in each interior angle does the polygon have?

6. How many degrees in each interior angle does a polygon have if the sum of its interior angles is 1440º?

7. What is the measure of each interior angle if the sum of its interior angles is 1260º?

8. What is the measure of each interior angle in a regular twenty two sided polygon?

9. If the measure of a central angle in a regular polygon is 135, what is the measure of each interior angle of the given polygon?

10. What is the each interior angle of a twenty sided regular polygon?

Name: _____   Date _____

Topic: *Polygons - Each Interior Angles - Worksheet 3*

1. How many sides does a polygon have if each angle is 140°?

2. What is a polygon called if the each interior angle equals 150°?

3. What is the measure of each interior angle in a regular octagon?

4. What is the measure of a central angle each interior angle of the polygon is 108°?

5. If the sum of the interior angles of a polygon equals 1800°, how many degrees in each interior angle does the polygon have?

6. How many degrees in each interior angle does a polygon have if the sum of its interior angles is 6840°?

7. What is the measure of each interior angle if the sum of its interior angles is 1080°?

8. What is the measure of each interior angle in a regular twenty eight sided polygon?

9. If the measure of a central angle in a regular polygon is 128, what is the measure of each interior angle of the given polygon?

10. What is the measure of each interior angle of a twenty one sided regular polygon?

Name: _____   Date _____

Topic: _Polygons - Each Interior Angles - Worksheet 4_

1. How many sides does a polygon have if each angle is 160°?

2. What is a polygon called if the each interior angle equals 168°?

3. What is the measure of each interior angle in a regular hendecagon?

4. What is the measure of a central angle each interior angle of the polygon is 135°?

5. If the sum of the interior angles of a polygon equals 2340°, how many degrees in each interior angle does the polygon have?

6. How many degrees in each interior angle does a polygon have if the sum of its interior angles is 2160°?

7. What is the measure of each interior angle if the sum of its interior angles is 1620°?

8. What is the measure of each interior angle in a regular eighteen sided polygon?

9. If the measure of a central angle in a regular polygon is 110, what is the measure of each interior angle of the given polygon?

10. What is the each interior angle of a Sixteen sided regular polygon?

Name: _____   Date _____

Topic: _Polygons - Each Interior Angles - Worksheet 5_

1.   How many sides does a polygon have if each angle is 108º?

2.   What is a polygon called if the each interior angle equals 135º?

3.   What is the measure of each interior angle in a regular heptagon?

4.   What is the measure of a central angle each interior angle of the polygon is 64º?

5.   If the sum of the interior angles of a polygon equals 5040º, how many degrees in each interior angle does the polygon have?

6.   How many degrees in each interior angle does a polygon have if the sum of its interior angles is 2340º?

7.   What is the measure of each interior angle if the sum of its interior angles is 2880º?

8.   What is the measure of each interior angle in a regular nineteen sided polygon?

9.   If the measure of a central angle in a regular polygon is 124, what is the measure of each interior angle of the given polygon?

10. What is the each interior angle of a Thirteen sided regular polygon?