

Name \_\_\_\_\_

Date \_\_\_\_\_

Year Group \_\_\_\_\_

**Match the following regular polygons to the measure of any exterior angle**

square	decagon	octagon	heptagon	hexagon
15-gon	pentagon	nonagon	20-gon	dodecagon
60°	36°	72°	$53\frac{3}{7}^\circ$	30°
40°	45°	90°	24°	18°

1. The measure of each exterior angle is \_\_\_\_\_ for this 4-sided regular polygon, \_\_\_\_\_.
2. The measure of each exterior angle is \_\_\_\_\_ for this 5-sided regular polygon, \_\_\_\_\_.
3. The measure of each exterior angle is \_\_\_\_\_ for this 6-sided regular polygon, \_\_\_\_\_.
4. The measure of each exterior angle is \_\_\_\_\_ for this 7-sided regular polygon, \_\_\_\_\_.
5. The measure of each exterior angle is \_\_\_\_\_ for this 8-sided regular polygon, \_\_\_\_\_.
6. The measure of each exterior angle is \_\_\_\_\_ for this 9-sided regular polygon, \_\_\_\_\_.
7. The measure of each exterior angle is \_\_\_\_\_ for this 10-sided regular polygon, \_\_\_\_\_.
8. The measure of each exterior angle is \_\_\_\_\_ for this 12-sided regular polygon, \_\_\_\_\_.
9. The measure of each exterior angle is \_\_\_\_\_ for this 15-sided regular polygon, \_\_\_\_\_.
10. The measure of each exterior angle is \_\_\_\_\_ for this 20-sided regular polygon, \_\_\_\_\_.