

Lesson 3 Homework Practice

Polygons

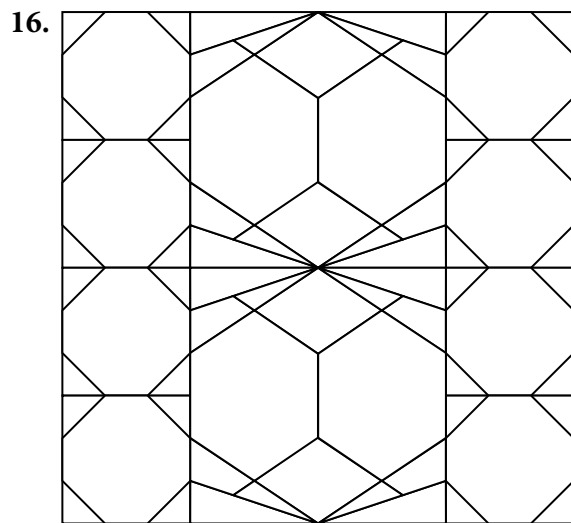
Find the sum of the measures of the interior angles of each polygon.

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|------------------------------|---------------------------|------------------------|
| 1. quadrilateral 360° | 2. decagon 1440° | 3. 12-gon 1800° |
| 4. heptagon 900° | 5. pentagon 540° | 6. hexagon 720° |
| 7. 25-gon 4140° | 8. 100-gon 17,640° | 9. 50-gon 8640° |

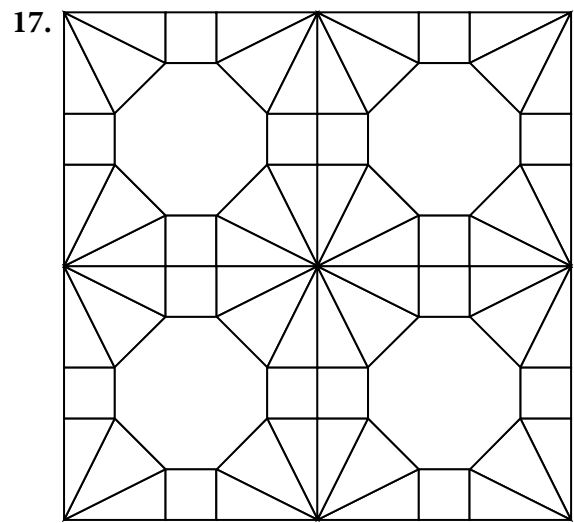
Find the measure of one interior angle in each regular polygon. Round to the nearest tenth if necessary.

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|-------------------------|------------------------------|-------------------------|
| 10. nonagon 140° | 11. octagon 135° | 12. hexagon 120° |
| 13. 12-gon 150° | 14. quadrilateral 90° | 15. decagon 144° |

Identify the polygons used to create each tessellation.



**triangles, quadrilaterals,
hexagons, octagons**



**triangles, squares,
hexagons, octagons**

18. Which figure best represents a regular polygon? **D**

