

MY Homework

Lesson 2

Polygons

Homework Helper



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The front of the bird house shown has the shape of a polygon. Describe and classify the polygon.

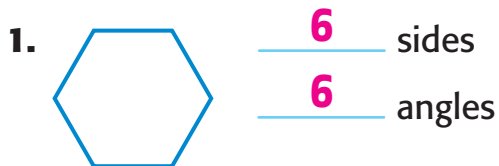
The polygon has 5 sides and 5 angles.

It is a pentagon.



Practice

Describe each shape. Determine the number of sides and angles. Then classify each shape.

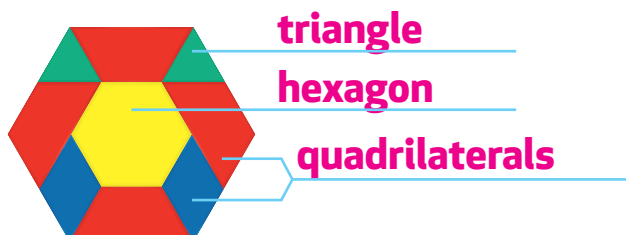


This is a(n) hexagon.



This is a(n) triangle.

3. **Mathematical PRACTICE** **Identify Structure** Classify the polygons that are used to create the figure shown.



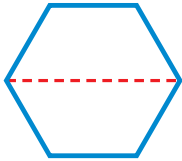


Problem Solving

4. What is another name for a square, other than *polygon*?

quadrilateral

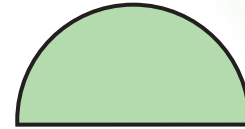
5. **Mathematical PRACTICE** **Use Math Tools** Draw and label the polygon you would get when you fold the hexagon shown, in half along the dotted line.



quadrilateral

6. Is the figure shown to the right a polygon? Explain.

No; Sample answer: polygons only have straight lines.



Polygons help me see!



Vocabulary Check



Choose the correct word to complete each sentence.

hexagon polygon quadrilateral

- 7. A polygon is a closed two-dimensional figure formed of three or more straight sides that do not cross each other.
- 8. A hexagon is a polygon with 6 sides and 6 angles.
- 9. A quadrilateral is a polygon with 4 sides and 4 angles.

Test Practice

10. Which of the following figures is a hexagon?

(A)



(B)



(C)



(D)

