



# Comparing Triangles, Pentagons, and Hexagons

Everyday Math Lesson 8-3

# Polygons

- have straight sides
- sides of a polygon do not cross
- are closed figures
- you can trace their sides and come back to where you started without retracing or crossing any part

# Non-Polygons (not polygons)



# Pentagon

5 angles



# Octagon 8 angles



# Hexagon 6 angles





# Shapes Museum

Home Link 8-3

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## Family Note

In today's lesson children used straws and twist ties to build polygons and then drew the shapes. Children learned that polygons are closed figures made up of all straight sides that do not cross.

Polygons:



NOT polygons:



*Please return the top part of this Home Link to school tomorrow.*

For Problems 1-3, draw the polygon and write its name on the line.



- ① 6-sided polygon:    ② 5-sided polygon:    ③ 4-sided polygon:

\_\_\_\_\_

- ④ Are these three shapes all polygons? Explain.

\_\_\_\_\_  
\_\_\_\_\_

## Shapes Museum

For the next few days our class will collect items to put into a Shapes Museum. Starting tomorrow, bring items such as boxes, soup cans, party hats, pyramids, and balls to school. Ask an adult for permission to bring in these items.

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illustrated by  
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# SHAPE UP!

FUN WITH  
TRIANGLES  
AND OTHER POLYGONS

