



Summer Math Program  
Entering Fourth Grade  
Week 3



**Fast Facts**

See how many you can do in one minute!

$3 \times 2 = \underline{\quad}$	$4 \times 5 = \underline{\quad}$	$2 \times 8 = \underline{\quad}$	$1 \times 9 = \underline{\quad}$	$2 \times 2 = \underline{\quad}$
$5 \times 5 = \underline{\quad}$	$1 \times 8 = \underline{\quad}$	$6 \times 2 = \underline{\quad}$	$2 \times 6 = \underline{\quad}$	$0 \times 3 = \underline{\quad}$
$3 \times 3 = \underline{\quad}$	$7 \times 3 = \underline{\quad}$	$4 \times 4 = \underline{\quad}$	$0 \times 2 = \underline{\quad}$	$5 \times 5 = \underline{\quad}$
$6 \times 1 = \underline{\quad}$	$3 \times 5 = \underline{\quad}$	$6 \times 0 = \underline{\quad}$	$2 \times 1 = \underline{\quad}$	$8 \times 1 = \underline{\quad}$

**Fractions and Money**

1. What is another way to represent the fraction  $\frac{5}{8}$ ?

A.  $\frac{3}{5} + \frac{2}{3}$

B.  $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

C.  $\frac{8}{5}$

2. How many half dollars are there in \$4.50? \_\_\_\_\_

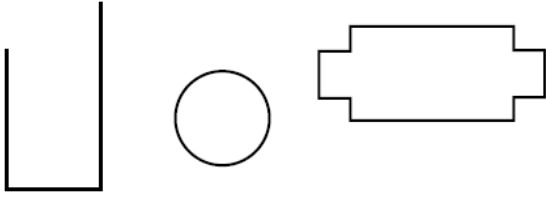
**Web Links**

*Try these web sites for additional practice and interactive learning!*

- Math Playground Grand Slam Word Problems  
<http://www.mathplayground.com/GrandSlamMath2.html>
- EduPlace Brain Teasers  
[http://www.eduplace.com/kids/mw/bt/bt\\_3.html](http://www.eduplace.com/kids/mw/bt/bt_3.html)

# Geometry

A **plane figure** can be closed or open. Closed figures have an inside and an outside.



Some special polygons have specific names.



**Triangle**

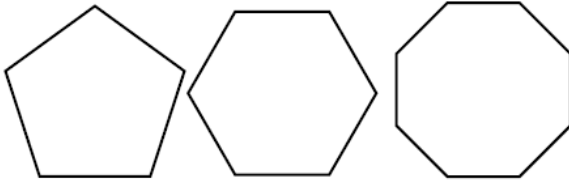
3 sides

**Square**

4 equal sides

**Rectangle**

4 sides



**Pentagon**

5 sides

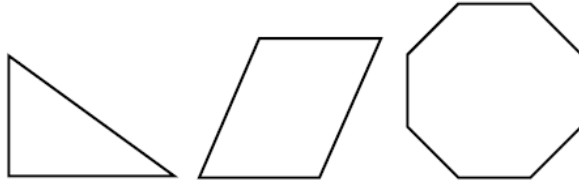
**Hexagon**

6 sides

**Octagon**

8 sides

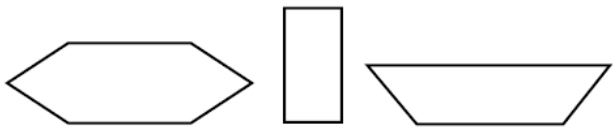
A **polygon** is a closed plane figure that has three or more sides. Each side is a line segment.



Polygons can be classified as **regular** or **irregular**.



Regular polygons have all sides equal and all angles equal.



Irregular polygons do not have all sides equal or all angles equal.

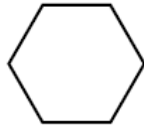
Tell whether each figure is a polygon. If it is, write its name.

1.



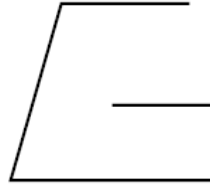
\_\_\_\_\_  
\_\_\_\_\_

2.



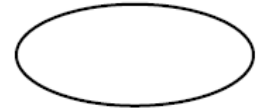
\_\_\_\_\_  
\_\_\_\_\_

3.



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

4.



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

Find several real examples of regular and irregular polygons over the next week during your summer break. Draw a picture of each object you find, tell the name of the shape, and tell if it is regular or irregular.

<u>Picture of objects</u>	<u>Name</u>	<u>Regular/Irregular</u>
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