

# Measures of Location

## Key Vocabulary

Line Symmetry— **L/ine Sym/met/ry**—A line that divides a shape into two equal parts

Congruent— **Con/gru/ent**—Shapes that are exactly the same size and shape. They may be reflected though.

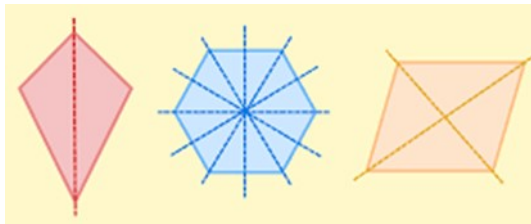
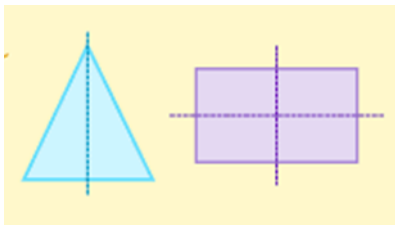
Vertical Line— **Ver/tic/al L/ine**—A line that goes from top to bottom

Horizontal Line —**Ho/riz/on/tal L/ine**—A line that goes from left to right

Vertex—**Ver/tex**—A corner

Mirror line— **Mir/ror L/ine**—a line which can be drawn onto a shape to show that both sides have exact reflective symmetry

## Line Symmetry

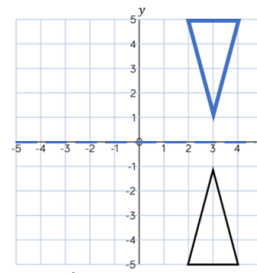
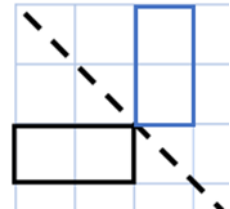
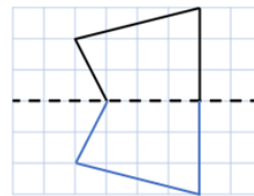


Regular shapes have the same number of line symmetry than the number of vertices

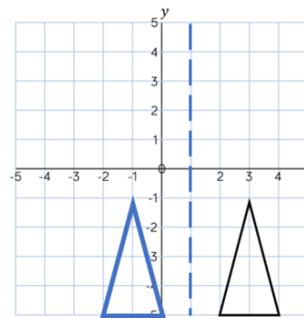
Equilateral Triangle—3 lines of symmetry and 3 vertices

Square—4 lines of symmetry and 4 vertices

## Reflection

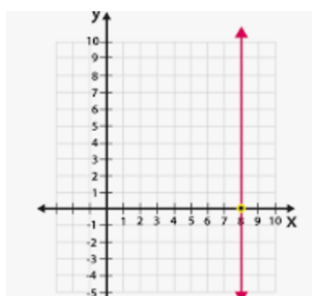


Reflecting in the x axis



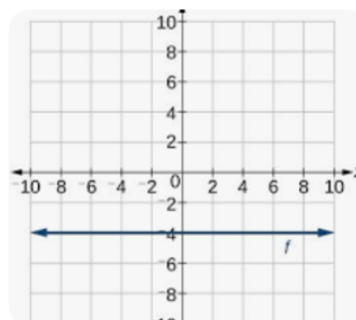
Reflecting in the line  $x = 1$

## Horizontal and Vertical Lines



Vertical lines are  $x = C$

This line is  $x = 8$



Horizontal lines are  $y = C$

This line is  $y = -4$