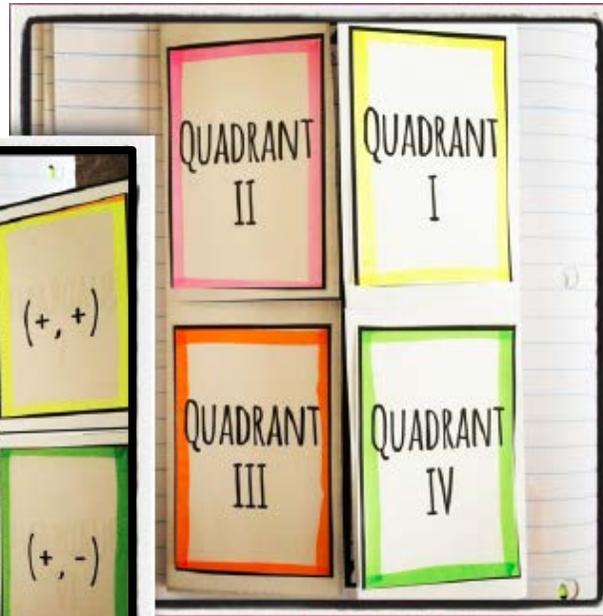
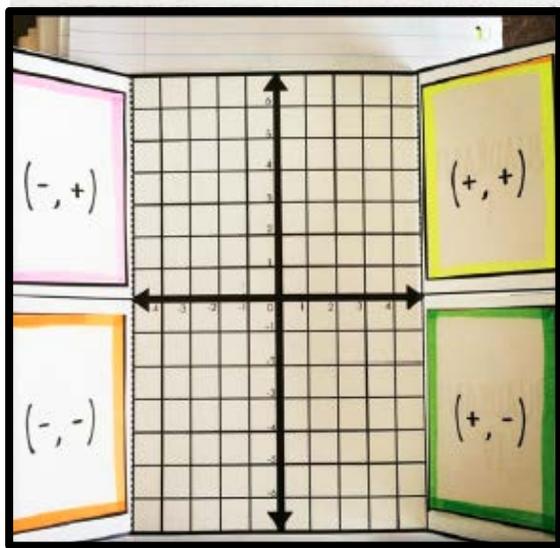


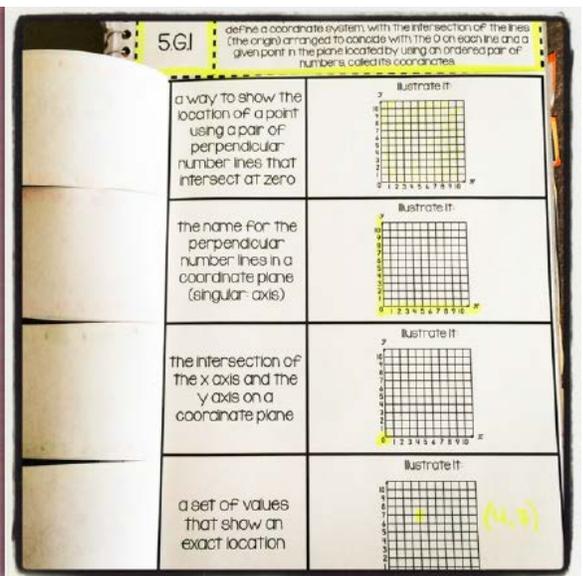
5.G.I Interactive Notebook

Graph Points on the Coordinate Plane



1. Cut out the shutterfold around the perimeter and glue it along the center section (under the grid).
2. Cut apart the flaps.
3. Cut out the quadrant cards on page 2 and glue them on the front of the correct flap.
4. Then, cut out the ordered pair cards and glue them on the inside of the correct flap.

Follow the instructions on this page to cut, fold and glue the Vocabulary Flip page and 4 Quadrant Shutterfold into your notebook.



1. Cut out the definition page and paste it into your notebook. Do not cut it.
2. Cut out the vocabulary flapbook and glue it along the side tab.
3. Cut apart the flaps AFTER gluing the side tab.
4. Illustrate each term. You may also choose to supply your own definitions.

5.G.1

I can use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates.

Coordinate
Plane

Axes

Origin

Coordinates

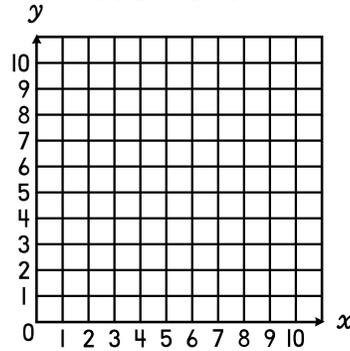
5.G.1 Vocabulary

VOCABULARY DEFINITIONS DIRECTIONS:

Cut out the definition page and paste it into your notebook. Do not cut it. Cut out the vocabulary flapbook and glue it along the side tab. Cut apart the flaps.

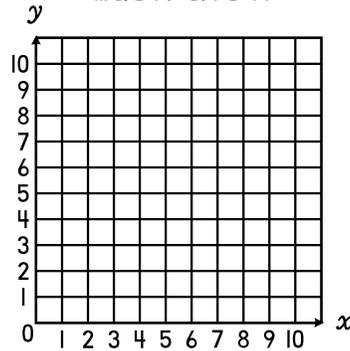
a way to show the location of a point using a pair of perpendicular number lines that intersect at zero

Illustrate It:



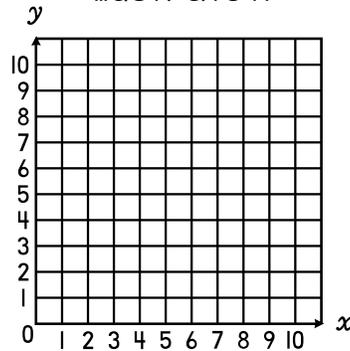
the name for the perpendicular number lines in a coordinate plane (singular: axis)

Illustrate It:



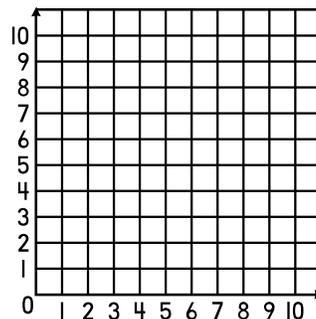
the intersection of the x axis and the y axis on a coordinate plane

Illustrate It:



a set of values that show an exact location

Illustrate It:

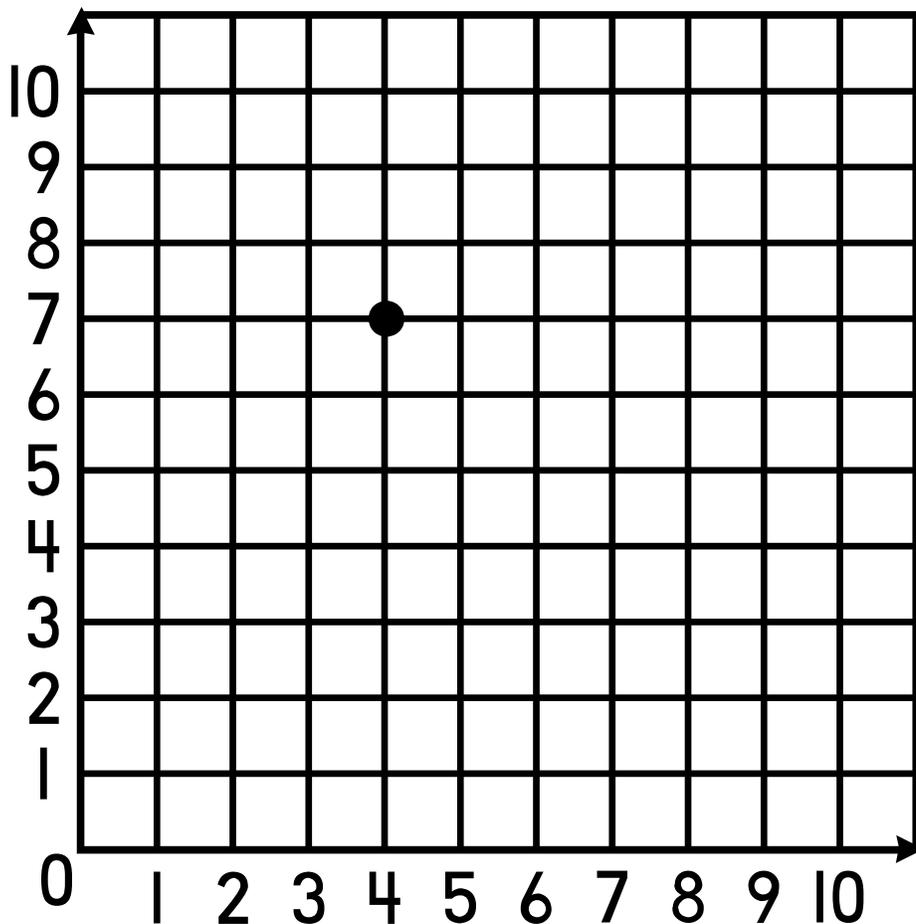


COORDINATE COLORING DIRECTIONS:

Cut out the coordinate coloring card and glue it in your notebook. Follow the directions on the top of the card.

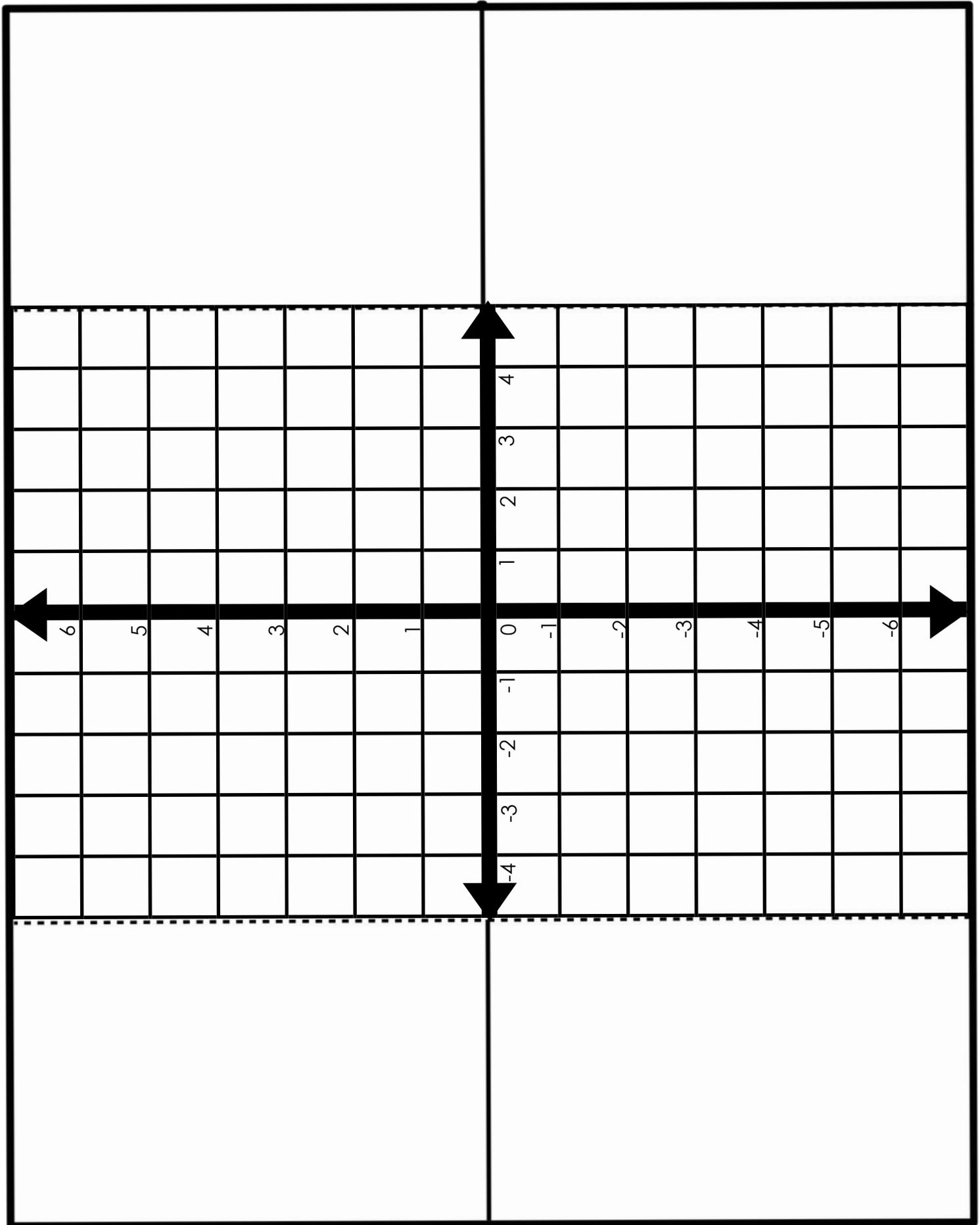
COORDINATE COLORING!

- Highlight the X-axis in Red
- Highlight the Y-axis in Green
- Highlight the Origin in Blue
- Highlight the Point in Orange
- Label the X-coordinate in Purple
- Label the Y-coordinate in Black
- Circle the Ordered Pair in Yellow



4 QUADRANT SHUTTERFOLD PAGE 1 DIRECTIONS:

Cut out the shutterfold around the perimeter and glue it along the center section (under the grid). Cut apart the flaps. Cut out the quadrant cards on page 2 and glue them on the front of the correct flap. Then, cut out the ordered pair cards and glue them on the inside of the correct flap.



QUADRANT
I

QUADRANT
II

QUADRANT
III

QUADRANT
IV

$(+, +)$

$(+, -)$

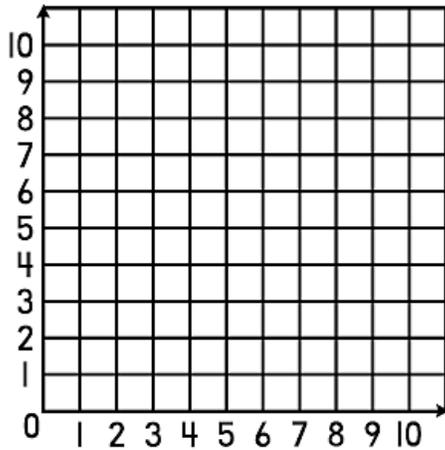
$(-, +)$

$(-, -)$

4 QUADRANT FLAPBOOK PAGE
2 DIRECTIONS:

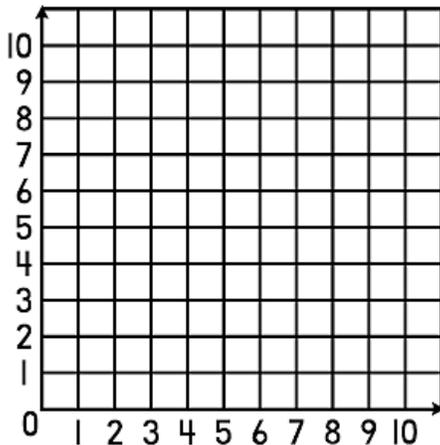
Cut out the flapbook around the perimeter and glue it along the center section (under the grid). Cut apart the flaps. Cut out the quadrant cards on page 2 and glue them on the front of the correct flap. Then, cut out the ordered pair cards and glue them on the inside of the correct flap.

Plotting Coordinates



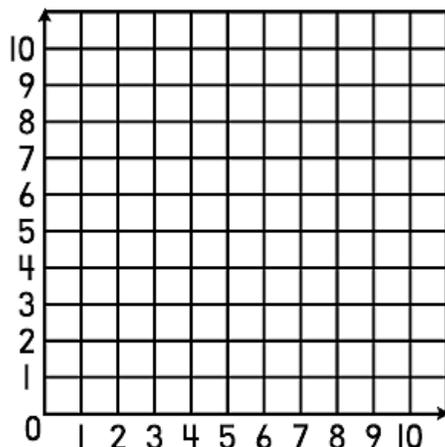
A square has points at $(4,2)$, $(4,7)$, and $(9,7)$. Plot the points on the grid. What is the 4th point of the square?

_____ (\quad , \quad) _____



A rectangle has points at $(1,2)$, $(5,2)$, and $(1,5)$. Plot the points on the grid. What is the 4th point of the rectangle?

_____ (\quad , \quad) _____



A right triangle has points at $(3,1)$ and $(6,1)$. If the entire triangle is in Quadrant I, plot ONE possible location of the 3rd point.

_____ (\quad , \quad) _____