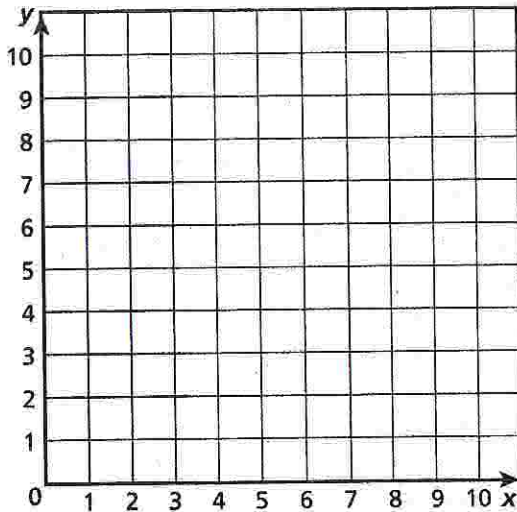


Homework

1. On the coordinate plane below, plot and label points to design your own constellation. When you return to class, share your constellation with your class.



2. Write the name of your constellation.

3. Write the order in which your points are to be connected.

4. Explain how you can tell that two points will be on the same horizontal line just by looking at their coordinates.

5. Explain how you can tell that two points will be on the same vertical line just by looking at their coordinates.

Remembering

Write and solve an equation to solve the problem.

1. A group of 25 classmates visits an amusement park. When they arrive, $\frac{3}{5}$ of the students want to ride the fastest roller coaster first. How many students is this?

Nicole makes \$8 per hour working at a daycare center.

2. Complete the table.

Time (hr)	0	1	2	3
Earnings (\$)		8		

3. Write the ordered (x, y) pairs the data represent. Then graph and connect the points and extend the line.

4. How much money would Nicole make in $2\frac{1}{2}$ hours? Explain your answer.

5. **Stretch Your Thinking** Which points listed lie on the line? Which points do not lie on the line? Explain.

$(0, 5)$ $(1, 5)$ $(2, 4)$, $(3, 6)$, $(4, 3)$

