

## Make Those Baskets

**Objective:**

By the end of the lesson/activity, the students will be able to:

- Plot and interpret points in the first quadrant to represent real world situations.

**Materials:**

- Painter's tape
- Ping pong balls or any other suitable balls
- Baskets or hoops
- "Make Those Baskets" handout

**Teacher Preparation:**

- Use the painter's tape to layout the free throw lines and a 3-point line throughout your classroom.
- Copy the "Make Those Baskets" handout for each student.

**Activity:**

- Have students find an area to start collecting their data. Allow them to record their data in their "Make Those Baskets" handout.
- At the end, have students walk around to analyze each other's data to determine who made the most shots within the four attempts.
- Facilitate this activity by walking around, asking probing questions, and assisting as needed.

**Question(s):**

- "[Student Name], how are you figuring out your total number of shots?"
- "[Student Name], how do you know where to plot the first number in your coordinate plane?"
- "How can we determine who made the greatest number of shots within their four attempts?"

South Carolina College- and Career-Ready Standards for Mathematics:

5.G.2 Plot and interpret points in the first quadrant of the coordinate plane to represent real world and mathematical situations.

**Extensions:**

- Allow the students to construct their own graph to increase the rigor.
- If this activity is being used to start the lesson, provide a teacher model with a clear think aloud.



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_

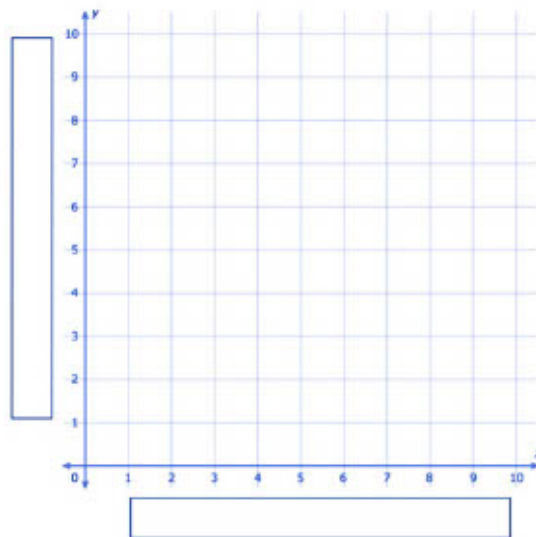
## Make Those Baskets

The way to win a basketball game is to get the highest score. Making a 3-point shot can have you achieve your goal. Try to make 4 baskets from the free throw or 3-point line. Record the total number of baskets made in the third column.

1) Fill-in the chart as you attempt to make four baskets.

Ordered Pair	Shot Attempt	Total Number of Shots Made
(0,0)	0	0
( , )	1	
( , )	2	
( , )	3	
( , )	4	

2) Label each axis of your graph. Then, graph your ordered pairs.



3) Who made the most shots? Explain your answer.

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