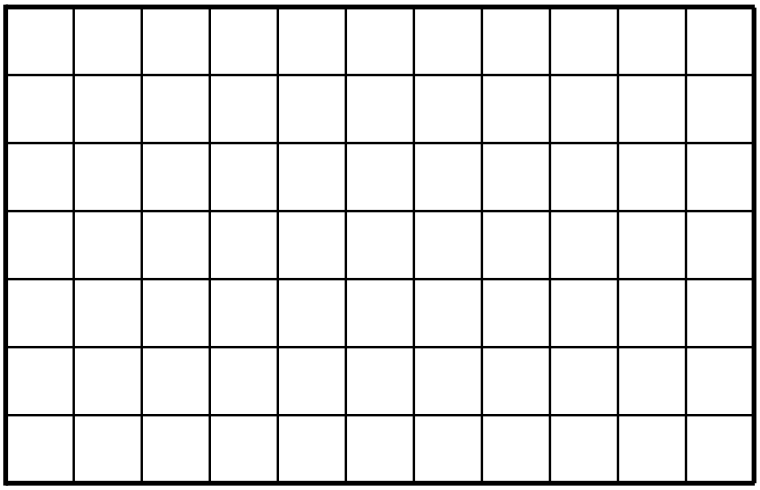
Name _____ Date _____

Part 7 Bouncing Balls

A class experimented with 3 kinds of balls to find out which one bounced highest. They dropped each type of ball from the same height.

T **Type of Ball**	***H*** **Bounce Height (in cm)**			
	Trial 1	**Trial 2**	**Trial 3**	**Median**
Basketball	43	41	45	
Kickball	69	65	67	
Tennis Ball	52	51	51	

1. Find the median bounce height for each type of ball. Complete the table
2. What is the manipulated variable? Is it a categorical or numerical variable?
3. What is the responding variable? Is it a categorical or numerical variable?
4. Think about these questions before you graph the median bounce height for each type of ball.
   - What variables will you put on the horizontal axis and vertical axis?
   - How will you scale and label the axes?
   - What type of graph is appropriate? A point graph or a bar graph?



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