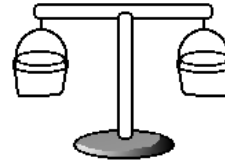**Name:** _____

Date: _____

"Balancing and Weighing"
Summative Assessment

1. **Circle** the tool you would use to weigh an object.
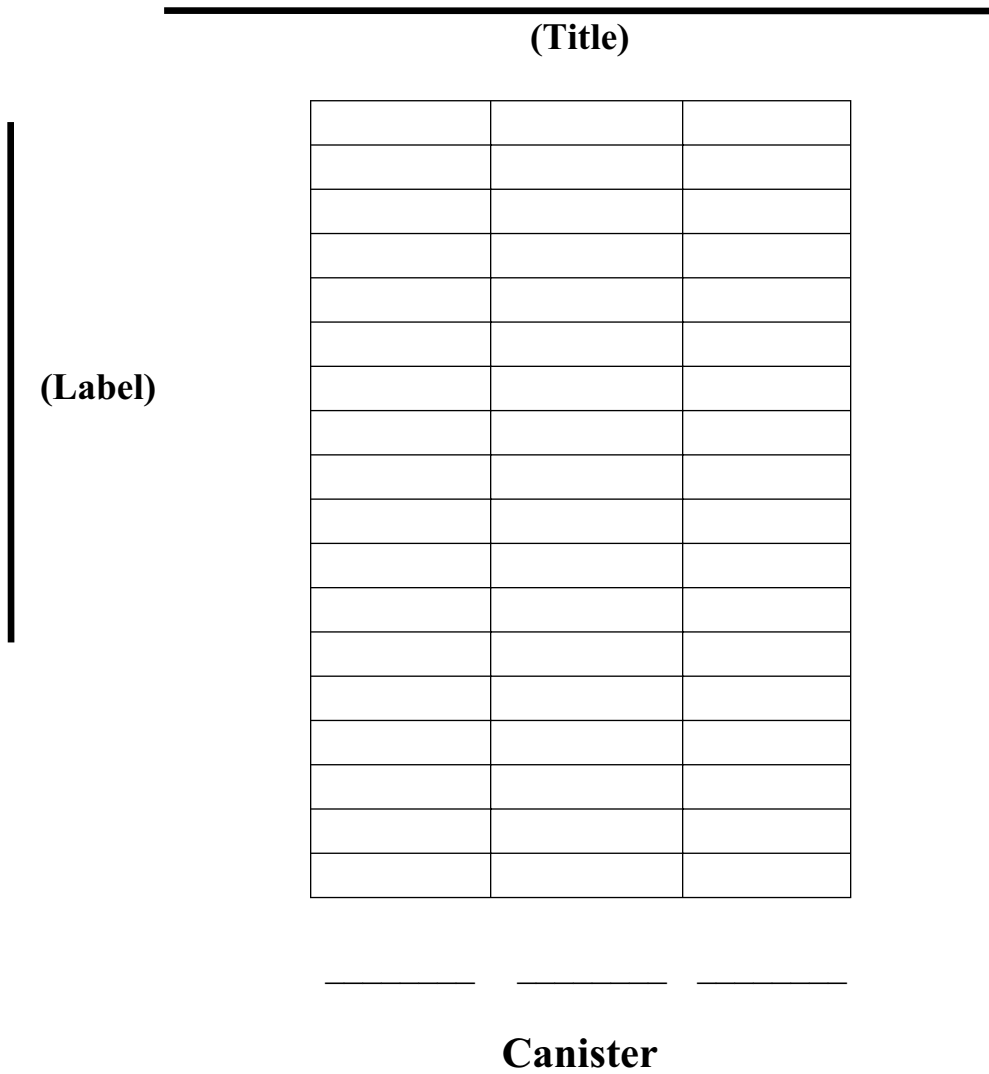

2. Use the equal arm balance with pails and Unifix cubes. Record your data in the chart below.

Canister	Number of Cubes
A	
B	
C	

3. Use the data collected from Question 2 to complete the bar graph below.
   - Add a title.
   - Label the horizontal lines.
   - Label the vertical line.
   - Add bars to the graph to show your data.

(Title)

(Label)

_____   _____   _____

Canister

4. Using the data from the graph, write the letters of the canisters in order from **lightest** to **heaviest.**

_____   _____   _____

Testing for the Heaviest Object
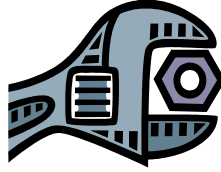
5. Conduct a test.

   Circle the object that weighs the most.

   Metal Cube   **Metal Nut**   **Metal Bolt**
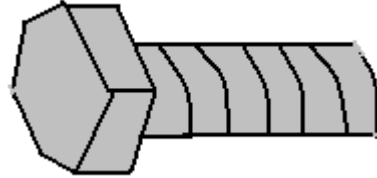
   What did **you do** to find the object that weighs the **most**?
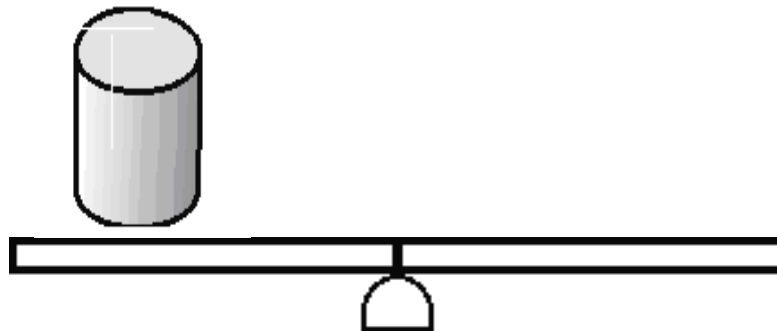
   _____

   _____

   _____

   _____

Balancing a Beam
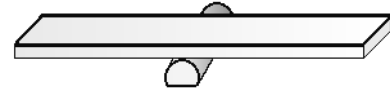
6. Get a balance beam.
   - Balance the beam on the fulcrum.
   - Put the **white** cylinder on the left edge of the beam.
   - Use the **clear** cylinder to balance the beam.
   - **Draw an X** where you placed the **clear** cylinder to balance the beam.

White Cylinder

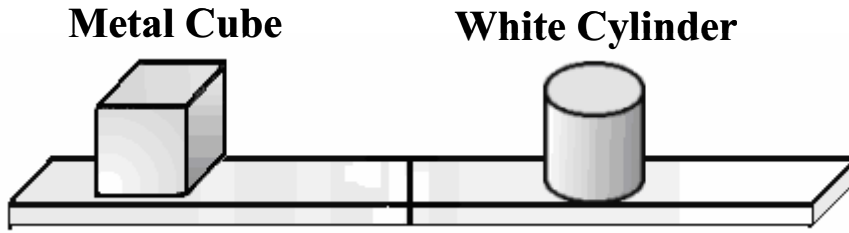7. Put the clear cylinder on one end of the beam.
   - Balance the beam.
   - **Draw** the position of the fulcrum.

Clear Cylinder

8. Look at the model.

    - Put an **X** where the fulcrum would be on the picture below.

    Metal Cube   **White Cylinder**

    Write a rule that tells where to place the fulcrum to balance the beam.

    _____

    _____

    _____

    _____

    _____