Hands-On Activity: Hit the Target

Not Accurate
Not Precise

Accurate
Not Precise

Not Accurate
Precise

Accurate
Precise
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Hands-On Activity: Hit the Target

**Bullseye:**

Lay the paper target on the floor and have each group member choose a color dot marker. Take turns holding the marker 1 meter above the target and releasing the marker. Try to hit the bullseye. Measure the distance in centimeters from the target center to the dot made by the marker when it lands. Round to the nearest tenth. Record the measurements in the data table and calculate the values for mean, median, and mode.

Repeat so that each group member has two attempts. Use the wipes or paper towels to clean up any marks that got on the floor.

<table>
<thead>
<tr>
<th>Distance (cm)</th>
<th>Mean (cm)</th>
<th>Median (cm)</th>
<th>Mode (cm)</th>
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1. Sketch the results you observed on the bullseye in the space below. Were the results precise? Explain your reasoning.

   ____________________________________________
   ____________________________________________
   ____________________________________________

2. What could you do to make the results more accurate and/or more precise?

   ____________________________________________
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Basket:

Set up the wastebasket and stand 1 meter from it. Take turns throwing the crumpled piece of paper at the basket, trying to make it in. Repeat so that each group member has two attempts, but make sure you remember whether you made the basket on the first try.

3. Were the results accurate? Explain your reasoning.

4. Were the results precise? Explain your reasoning.

5. What could you do to make the results more accurate and/or more precise?