**Measurement Stations – Math at Work 12**

**Purpose:** To gain an understanding of precision and accuracy.

**Outcome:** **M01** Students will be expected to demonstrate an understanding of the limitations of measuring instruments, including:

* precision
* accuracy
* uncertainty
* tolerance

and solve problems.

**Materials:**

1. A measuring tool for measuring length
2. A record sheet for each student

**Activity:**

You have been provided with a measuring tool for measuring length.

There are several stations set up around the room. Your group will visit each station. The groups will rotate clockwise to the next station. At each station you will find an object. The items at the stations are listed on your recording sheet. You are to determine the measurement for each object and record them on your recording sheet.

After you have completed all station visits, you will share your results with the class.

**Measurement Recording Sheet**

**Group Members:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Station 1:** Textbook | | | |
| Length: | Width: | | Height: |
|  | | | |
| **Station 2:** Golf Ball | | | |
| Diameter: | | Circumference: | |
|  | | | |
| **Station 3:** CD Jewel Case | | | |
| Length: | Width: | | Height: |
|  | | | |
| **Station 4:** Coffee Mug | | | |
| Diameter: | Height: | | Circumference: |