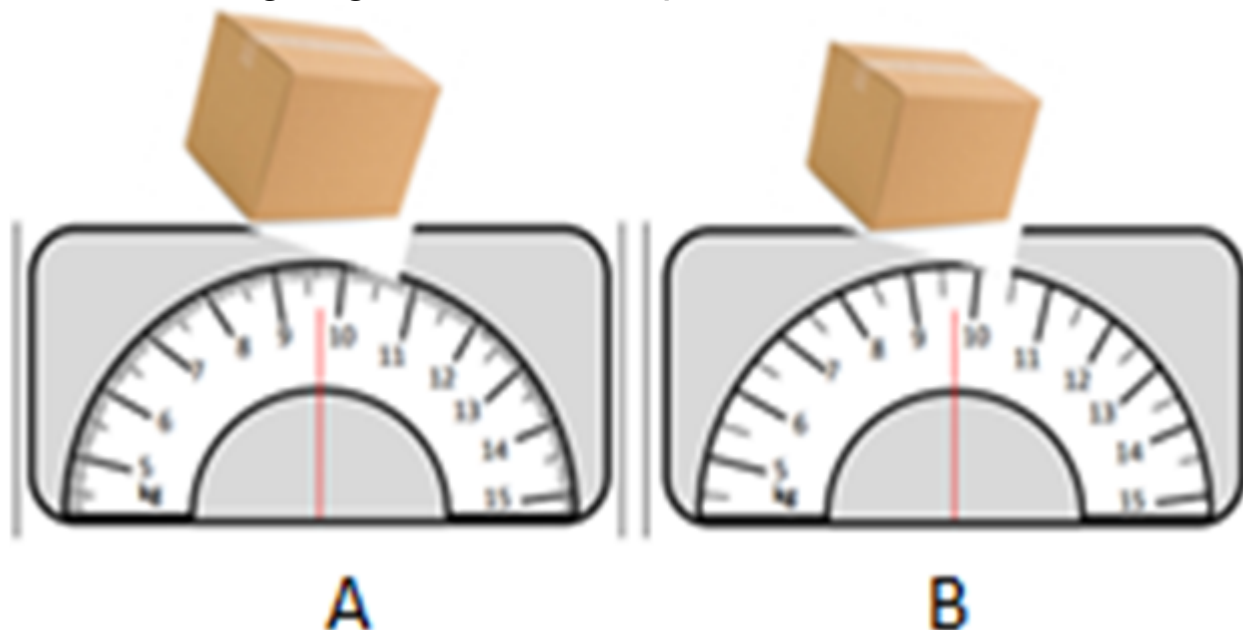1. A dial weighing machine weighs objects to the tenth of a unit. Another dial weighing machine weighs objects to one fifth of a unit. Which weighing machine is more precise?

2. Which weighing scale is more precise?

A   B

3. Tony weighs a box of apples many times and finds its weight as 25 kg ± 2 kgs. Maria weighs the same box on another machine and finds its weight 25 ± 1 kg. Which machine is more precise? What is the maximum and minimum weight of the box of apples weighed by Tony? What is the maximum and minimum weight of the box of apples weighed by Maria?

Grade: 5   **Category:** Measurements   **Sub Category: Estimating weight, precision and errors**   **Worksheet #:** 146A

1. Ans. The first machine which weighs objects to the tenth of a unit is more precise.

2. Ans. The weighing scale A is more precise.

3. Ans. The maximum weight of the box of apples, weighed by Tony is 27 kg and minimum weight is 23 kg.The maximum weight of the box of apples weighed by Maria is 26 and minimum weight is 24 kg.