Measure and Solve!

**Measurement**

**Unit 2 Line Master 6**

**Station 1**Use a measuring tape to measure your height in centimetres.

1. Approximately how tall are you in inches?
2. How tall are you in kilometres?
3. If 1 hand = 4 inches, how many hands tall are you?
4. How many of you would be needed to be equal in length to the distance between
St. Johns, Nfld, and Toronto, ON?

**Station 2**
Use a scale to measure the weight of an object in kilograms.

1. How much does the object weigh in grams?
2. Approimately how much does it weigh in pounds?
3. If 1 carat = 0.2 grams, how many carats does the object weigh?
4. How many of that object would be needed to have the same total weight
as an elephant?

**Station 3**Use a stopwatch to time how long you can spin a quarter before it falls on its side.

1. How long was the spin in milliseconds?
2. How long was the spin in hours?
3. In 2023, a new marathon world record time was set at just over 2 hours.
How many times longer is the marathon time than your quarter-spinning time?

**Station 4**
Use a measuring cup to measure the amount of water in the bottle in cups.

1. How much water is there, in quarts?
2. How much water is there, in litres?
3. If 1 amphora = 27.84 litres, how much water is there, in amphora?
4. If a small swimming pool can hold 10 000 litres of water, how many water bottles
would be needed to fill the swimming pool?