

**Measurement
Unit 2 Line Master 6**

Measure and Solve!

Station 1

Use a measuring tape to measure your height in centimetres.

- Approximately how tall are you in inches?
- How tall are you in kilometres?
- If 1 hand = 4 inches, how many hands tall are you?
- 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.

- How much does the object weigh in grams?
- Approximately how much does it weigh in pounds?
- If 1 carat = 0.2 grams, how many carats does the object weigh?
- 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.

- How long was the spin in milliseconds?
- How long was the spin in hours?
- 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.

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