

Big Units, Small Counts

Measure the same length in two unit sizes.

GRADE 2 • NY-2.MD.2

NY-2.MD.2 "Measure the length of an object twice, using different "length units" for the two measurements; describe how the two measurements relate to the size of the unit chosen."

NAME _____

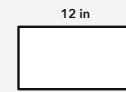
DATE _____

UNIT SIZE MATTERS

Measure the same object with two different units. Smaller units make a larger number. Larger units make a smaller number.

WORKED EXAMPLE

A banner is 12 inches long. It is also measured in feet.



1. The banner measures 12 inches.
2. 12 inches make 1 foot.
3. A foot is larger than an inch.

Answer: 12 inches = 1 foot. A foot is the larger unit.

PRACTICE 4 problems

- 1** A toy shelf is 2 feet long. It is ____ inches long.

ANSWER _____

- 2** A kite string is 36 inches long. It is ____ feet long.

ANSWER _____

- 3** A play mat is 4 feet long. It is also 48 inches long. Which measurement has more units?

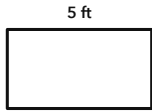
ANSWER _____

- 4** A garden border is 2 yards long. It is also 6 feet long. Which unit is larger, yards or feet?

ANSWER _____

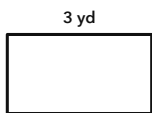
APPLY IT Show your work

- 1** Rina's robot track is 5 feet long. How many inches long is it? Which unit is smaller?



ANSWER _____

- 2** Jaden draws a chalk line that is 3 yards long. How many feet long is it? Which number is larger?



ANSWER _____

CHALLENGE One step up

Look at the snack tables. Which table is longer? Explain how you know.

SNACK TABLES

Table	Length in inches	Length in feet
A	72	6
B	60	5

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A toy shelf is 2 feet long. It is ___ inches long.	24 inches
2	A kite string is 36 inches long. It is ___ feet long.	3 feet
3	A play mat is 4 feet long. It is also 48 inches long. Which measurement has more units?	48 inches
4	A garden border is 2 yards long. It is also 6 feet long. Which unit is larger, yards or feet?	yards

PART 2 • APPLY IT

1. **60 inches. Inches are smaller.** Change 5 feet to inches. Since 1 foot equals 12 inches, 5 feet equals 60 inches.
2. **9 feet. 9 is larger.** Each yard equals 3 feet. Three yards equals 9 feet, and smaller foot units make the larger number.

CHALLENGE

Table A is longer. It is 72 inches, and Table B is 60 inches.

Accept equivalent statements that inches are smaller than feet and feet are smaller than yards. For the challenge, accept a comparison using either inches or feet.