

Length Guess Lab

Choose a unit that makes sense.

GRADE 2 • NY-2.MD.3

NY-2.MD.3 "Estimate lengths using units of inches, feet, centimeters, and meters."

NAME _____

DATE _____

PICK A UNIT

An estimate is a close guess. Use inches or centimeters for small things. Use feet or meters for bigger things.

WORKED EXAMPLE

A small stool is about 2 feet tall.
Is feet a good unit?

1. A stool is taller than a pencil.
2. Feet work well for a medium-sized object.
3. The estimate is 2 feet.

Answer: Yes, 2 feet is a sensible estimate.

PRACTICE 5 problems

- 1** A new pencil is closest to 7 inches, 7 feet, or 7 meters long. Choose the best estimate.

ANSWER _____

- 2** A classroom door is closest to 6 inches, 6 feet, or 6 meters tall. Choose the best estimate.

ANSWER _____

- 3** A juice box straw is closest to 20 centimeters, 20 meters, or 20 inches long. Choose the best estimate.

ANSWER _____

- 4** A school hallway is closest to 9 centimeters, 9 feet, or 9 meters long. Choose the best estimate.

ANSWER _____

- 5** A goldfish is closest to 8 centimeters, 8 feet, or 8 meters long. Choose the best estimate.

ANSWER _____

APPLY IT Show your work

- 1** Jayden makes a short toy train track across the playroom. Is it closest to 3 inches, 3 feet, or 3 meters long? Choose the best estimate.

WORK SPACE

ANSWER _____

- 2** At the zoo, a giraffe is closest to 5 inches, 5 centimeters, or 5 meters tall. Choose the best estimate.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Nico writes, "A soccer field is about 90 centimeters long." Change only the unit to make Nico's estimate sensible. Explain why.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A new pencil is closest to 7 inches, 7 feet, or 7 meters long. Choose the best estimate.	7 inches
2	A classroom door is closest to 6 inches, 6 feet, or 6 meters tall. Choose the best estimate.	6 feet
3	A juice box straw is closest to 20 centimeters, 20 meters, or 20 inches long. Choose the best estimate.	20 centimeters
4	A school hallway is closest to 9 centimeters, 9 feet, or 9 meters long. Choose the best estimate.	9 meters
5	A goldfish is closest to 8 centimeters, 8 feet, or 8 meters long. Choose the best estimate.	8 centimeters

PART 2 • APPLY IT

1. **3 feet** A short toy train track can be a few feet long. Inches are too short, and meters are too long for this track.
2. **5 meters** A giraffe is very tall. Meters are a sensible unit for its height.

CHALLENGE

90 meters. A soccer field is very long, so meters are a sensible unit.

Accept the stated number with the correct unit, including standard abbreviations such as in., ft, cm, and m. For the challenge, accept any clear explanation that a soccer field is too long to measure in centimeters.