LESSON MAKER PRO

Measure It Right

Choose exact measurements or estimates and name the best unit.

GRADE 3 · 3.MG.1.a

3.MG.1.a "Justify whether an estimate or an exact measurement is needed for a contextual situation and choose an appropriate unit."

NAME _____ DATE _____

MAKE A SMART CHOICE

Use an exact measurement when something must fit, match, or be made to a certain size. Use an estimate when you only need a close idea. Choose inches for small items, feet for larger objects, yards for outdoor spaces, and miles for long trips.

WORKED EXAMPLE

A student is making a bookmark that must be exactly 9 inches long. Should the student estimate or measure exactly? What unit should be used?

1. The bookmark must be a certain length.
2. Choose an exact measurement.
3. A small bookmark is measured in inches.

Answer: Exact measurement; 9 inches.

PRACTICE 6 problems

1 A theater club needs to know the height of a classroom doorway before making a curtain that fits. Write exact or estimate. Then write the best unit.

ANSWER _____

2 You want to tell a visitor about how tall the flagpole is. A close answer is enough. Write exact or estimate. Then write the best unit.

ANSWER _____

3 You are cutting a 7-inch piece of yarn for a bracelet. Write exact or estimate. Then write the best unit.

ANSWER _____

4 Your family wants to know about how far it is from your home to the aquarium. Write exact or estimate. Then write the best unit.

ANSWER _____

5 A book cover must fit a book that is 8 inches tall. Write exact or estimate. Then write the best unit.

ANSWER _____

6 The coach wants a close idea of the length of a soccer field. Write exact or estimate. Then write the best unit.

ANSWER _____

APPLY IT Show your work

1 The robotics club needs a strip of cardboard to fit exactly across the front of a 4-foot display table. Should the club estimate or measure exactly? What unit should they use? Explain your choice.

WORK SPACE

ANSWER _____

2 Nia is making a poster about a family hike. She wants to tell about how far they hiked, but the distance does not need to be perfect. Should Nia estimate or measure exactly? What unit should she use? Explain your choice.

WORK SPACE

ANSWER _____

CHALLENGE One step up

Ava has two jobs. She needs to make a label that fits on a water bottle. She also wants to tell a friend about how far a bike ride to the park is. For each job, write exact or estimate and the best unit. Explain why your choices differ.

WORK SPACE AND ANSWER

ANSWER KEY

Measure It Right

GRADE 3 · 3.MG.1.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A theater club needs to know the height of a classroom doorway before making a curtain that fits. Write exact or estimate. Then write the best unit.	**Exact measurement; feet.**
2	You want to tell a visitor about how tall the flagpole is. A close answer is enough. Write exact or estimate. Then write the best unit.	**Estimate; feet.**
3	You are cutting a 7-inch piece of yarn for a bracelet. Write exact or estimate. Then write the best unit.	**Exact measurement; inches.**
4	Your family wants to know about how far it is from your home to the aquarium. Write exact or estimate. Then write the best unit.	**Estimate; miles.**
5	A book cover must fit a book that is 8 inches tall. Write exact or estimate. Then write the best unit.	**Exact measurement; inches.**
6	The coach wants a close idea of the length of a soccer field. Write exact or estimate. Then write the best unit.	**Estimate; yards.**

PART 2 · APPLY IT

1. **Exact measurement; feet.** The cardboard must fit across the table. The cardboard has to fit, so an exact measurement is needed. Feet is the best unit for the length of the table.
2. **Estimate; miles.** A hike is a long distance, and a close distance is enough. Nia only needs a close distance, so she should estimate. Miles is the best unit for a hike.

CHALLENGE

Water bottle label: exact measurement; inches. Bike ride: estimate; miles. The label must fit, but the bike ride only needs a close distance.

Accept "exact" or "exact measurement." For the challenge, accept equivalent explanations that state the label must fit and the bike ride only needs a close distance.