LESSON MAKER PRO

Metric Measure Match

Choose the metric unit that fits each length.

GRADE 5 · 5.MG.1.a.i

5.MG.1.a.i "Determine the most appropriate unit of measure to use in a contextual problem that involves metric units: length (millimeters, centimeters, meters, and kilometers);"

NAME _____ DATE _____

PICK A UNIT THAT FITS

Use millimeters for very tiny lengths, centimeters for small objects, meters for larger objects or spaces, and kilometers for long distances. Think about the size of the thing you are measuring before you choose a unit.

WORKED EXAMPLE

A blue whale is about 24 units long. Which metric unit is most appropriate?

1. A blue whale is much longer than a pencil or a doorway.
2. It is not a distance between places.
3. Choose meters for the length of a very large animal.

Answer: meters

PRACTICE 6 problems

1 What metric unit is best for measuring the thickness of a trading card?

ANSWER _____

2 What metric unit is best for measuring the length of a pencil?

ANSWER _____

3 What metric unit is best for measuring the height of a basketball hoop?

ANSWER _____

4 What metric unit is best for measuring the distance from a school to a library in another part of town?

ANSWER _____

5 What metric unit is best for measuring the width of a notebook?

ANSWER _____

6 What metric unit is best for measuring the length of a soccer field?

ANSWER _____

APPLY IT Show your work

1 Jordan wants to bike from home to a skate park on the other side of town. Which metric unit should Jordan use to measure the trip?

WORK SPACE

ANSWER _____

2 Ava is making a comic book and wants to measure the width of each picture box on the page. Which metric unit should Ava use?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A robotics team needs to measure the thickness of a robot wire, the height of the robot, and the distance from the school to the competition site. Choose the best metric unit for each measurement. Then explain why the units are different.

WORK SPACE AND ANSWER

ANSWER KEY

Metric Measure Match

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What metric unit is best for measuring the thickness of a trading card?	**millimeters**
2	What metric unit is best for measuring the length of a pencil?	**centimeters**
3	What metric unit is best for measuring the height of a basketball hoop?	**meters**
4	What metric unit is best for measuring the distance from a school to a library in another part of town?	**kilometers**
5	What metric unit is best for measuring the width of a notebook?	**centimeters**
6	What metric unit is best for measuring the length of a soccer field?	**meters**

PART 2 · APPLY IT

1. **kilometers** The trip is a long distance between places, so kilometers are most appropriate.
2. **centimeters** A picture box is a small part of a page, so centimeters are most appropriate.

CHALLENGE

Robot wire: millimeters. Robot height: centimeters. Distance to the competition site: kilometers. The wire is very tiny, the robot is a small object, and the trip is a long distance.

Accept singular or plural forms of each unit. For the challenge, accept meters for the robot height only if the student gives a reasonable explanation that the robot is very large.