LESSON MAKER PRO

Length Detectives

Use familiar objects to estimate lengths.

GRADE 2 · MT.2.MD.3

MT.2.MD.3 "Estimate lengths using units of common measurement."

NAME _____ DATE _____

USE A LENGTH CLUE

You can estimate a length without measuring it exactly. Think about how many familiar objects would fit end to end, then count their units.

WORKED EXAMPLE

A paper strip is about as long as 7 buttons in a row. Use the length clue to estimate its length.

LENGTH CLUE

Object	About how long
Button	1 centimeter

1. Each button is about 1 centimeter wide.
2. Count 7 buttons as about 7 centimeters.

Answer: About 7 centimeters

PRACTICE 5 problems

1 A toy snake is about as long as 5 paper clips in a row. Use the length clue to estimate its length.

LENGTH CLUE

Object	About how long
Paper clip	1 inch

ANSWER _____

2 A toy car is about as long as 8 small blocks in a row. Use the length clue to estimate its length.

LENGTH CLUE

Object	About how long
Small block	1 centimeter

ANSWER _____

3 A toy train track is about as long as 3 rulers end to end. Which is a better estimate, 3 inches or 3 feet?

LENGTH CLUE

Object	About how long
Ruler	1 foot

ANSWER _____

4 A long jump rope is about as long as 4 meter sticks end to end. Use the length clue to estimate its length.

LENGTH CLUE

Object	About how long
Meter stick	1 meter

ANSWER _____

5 A birthday banner is about as long as 2 yardsticks end to end. Which is a better estimate, 2 inches or 2 yards?

LENGTH CLUE

Object	About how long
Yardstick	1 yard

ANSWER _____

APPLY IT Show your work

1 At an art fair, a ribbon for your badge is about as long as 6 paper clips end to end. About how long is the ribbon?

LENGTH CLUE

Object	About how long
Paper clip	1 inch

ANSWER _____

2 You make a toy for a class pet. The string is about as long as 10 small blocks in a row. About how long is the string?

LENGTH CLUE

Object	About how long
Small block	1 centimeter

ANSWER _____

CHALLENGE One step up

Noah says a toy road as long as 9 rulers end to end is about 9 inches long. Give a better estimate. Explain why.

LENGTH CLUE

Object	About how long
Ruler	1 foot

WORK SPACE AND ANSWER

ANSWER KEY

Length Detectives

GRADE 2 · MT.2.MD.3

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A toy snake is about as long as 5 paper clips in a row. Use the length clue to estimate its length.	**About 5 inches**
2	A toy car is about as long as 8 small blocks in a row. Use the length clue to estimate its length.	**About 8 centimeters**
3	A toy train track is about as long as 3 rulers end to end. Which is a better estimate, 3 inches or 3 feet?	**3 feet**
4	A long jump rope is about as long as 4 meter sticks end to end. Use the length clue to estimate its length.	**About 4 meters**
5	A birthday banner is about as long as 2 yardsticks end to end. Which is a better estimate, 2 inches or 2 yards?	**2 yards**

PART 2 · APPLY IT

1. **About 6 inches** Six paper clips at about 1 inch each make an estimated length of 6 inches.
2. **About 10 centimeters** Ten small blocks at about 1 centimeter each make an estimated length of 10 centimeters.

CHALLENGE

About 9 feet. Each ruler is about 1 foot long, not 1 inch.

Accept answers that use the correct number and unit, with or without the word "about." For the challenge, accept an explanation that connects each ruler to 1 foot.