LESSON MAKER PRO

Ruler Reading Lab

Find lengths to the nearest half or quarter inch.

GRADE 3 · 3.GR.A.1

3.GR.A.1 "Measure the length of an object to the nearest half and quarter unit by using appropriate tools (e.g., rulers, yardsticks, meter sticks, and measuring tapes)."

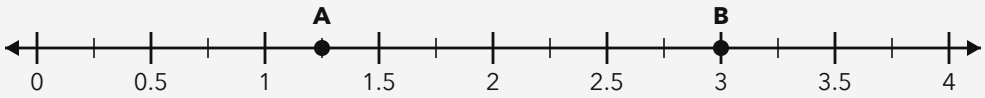
NAME _____ DATE _____

READ, THEN SUBTRACT

On an inch ruler, each small quarter-inch space is 1/4 inch. Read both ends of an object. Subtract the first reading from the second to find its length.

WORKED EXAMPLE

A strip runs from A to B on this inch ruler. How long is it?



1. Read A: 1 1/4 inches.
2. Read B: 3 inches.
3. Subtract: 3 - 1 1/4 = 1 3/4.

Answer: 1 3/4 inches

PRACTICE 4 problems

1 A crayon's end readings are 0 and 1/2 inch. How long is it?

ANSWER _____

2 A card's end readings are 1 and 3 1/2 inches. How long is it?

ANSWER _____

3 A paper strip's end readings are 2 and 4 1/4 inches. How long is it?

ANSWER _____

4 A ribbon's end readings are 3/4 and 4 inches. How long is it?

ANSWER _____

APPLY IT Show your work

1 You make a bookmark for a comic book. It runs from A to B on this inch ruler. How long is it?



ANSWER _____

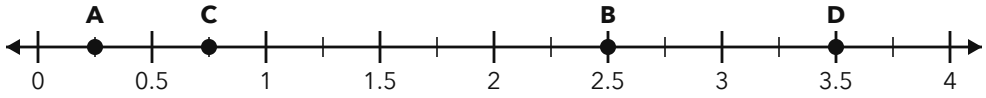
2 You cut a strip of tape for a game card. It runs from C to D on this inch ruler. How long is it?



ANSWER _____

CHALLENGE One step up

Two stickers run from A to B and from C to D on this inch ruler. Which sticker is longer, and by how much? Explain using the lengths.



WORK SPACE AND ANSWER

ANSWER KEY

Ruler Reading Lab

GRADE 3 · 3.GR.A.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A crayon's end readings are 0 and 1/2 inch. How long is it?	**1/2 inch**
2	A card's end readings are 1 and 3 1/2 inches. How long is it?	**2 1/2 inches**
3	A paper strip's end readings are 2 and 4 1/4 inches. How long is it?	**2 1/4 inches**
4	A ribbon's end readings are 3/4 and 4 inches. How long is it?	**3 1/4 inches**

PART 2 · APPLY IT

1. **2 3/4 inches** Subtract the readings: 3 1/4 - 1/2 = 2 3/4 inches.
2. **2 1/2 inches** The strip starts at 0, so its length is the reading at D: 2 1/2 inches.

CHALLENGE

Sticker C to D is longer by 1/2 inch. A to B is 2 1/4 inches, and C to D is 2 3/4 inches.

Accept equivalent fraction forms. For the challenge, the explanation must compare both sticker lengths.