

# Grade 2 · Measuring Length · Test

Common Core 2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4, 2.MD.B.5, 2.MD.B.6 · mathovore.fr

Name: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Score: \_\_\_\_\_

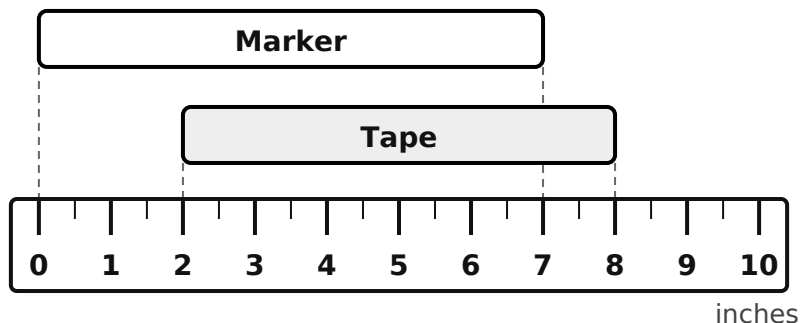
This test checks measuring with rulers, choosing units and tools, comparing lengths, and solving length word problems (2.MD.A.1 to 2.MD.B.6). Read each ruler carefully. Show your work and write the unit in every answer. Total: 20 points.

## Test information

- **Grade:** Grade 2
- **Chapter:** Measuring Length
- **Common Core:** 2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4, 2.MD.B.5, 2.MD.B.6
- **Time:** 30 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 3 pts; Question 9: 3 pts)

## Question 1: Reading rulers (2 points)

Look at the ruler.



A marker and a piece of tape above an inch ruler.

- How long is the marker? (1 point)
- How long is the tape? (1 point)

## Question 2: Tools and units (2 points)

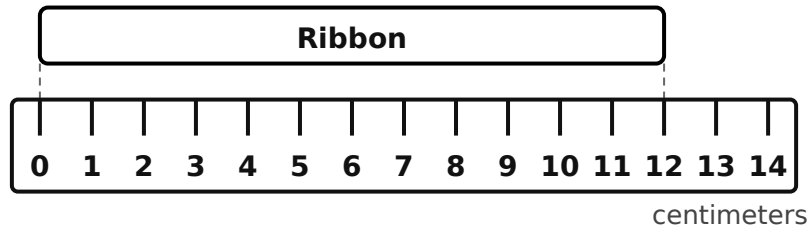
Answer each question.

- a. Write *inches* or *feet*: which unit is better for the height of a door? (1 point)
- b. Write *inch ruler*, *yardstick*, or *measuring tape*: which tool is best for the length of a soccer field? (1 point)

### Question 3: Same ribbon, two units (2 points)

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Look at the ribbon.



A ribbon above a centimeter ruler.

- a. How long is the ribbon in centimeters? (1 point)
- b. Jamal measures a table in inches and gets 36. He measures it in feet and gets 3. Explain why the number of feet is smaller. (1 point)

### Question 4: Estimate (2 points)

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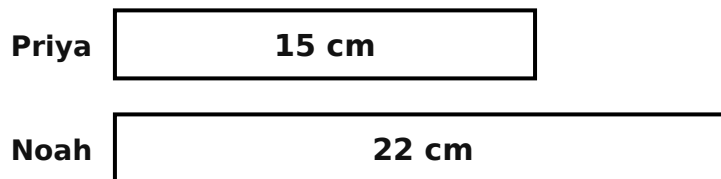
A crayon is about 4 inches long.

- a. Estimate the length of 5 crayons in a row, end to end. (1 point)
- b. Which is a reasonable length for a door: 7 inches, 7 feet, or 70 feet? (1 point)

### Question 5: Two pencils (2 points)

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Priya's pencil is 15 cm long. Noah's pencil is 22 cm long.



Two pencils drawn as bars.

- a. Whose pencil is longer? (1 point)
- b. How many centimeters longer is it? (1 point)

### Question 6: Jump rope (2 points)

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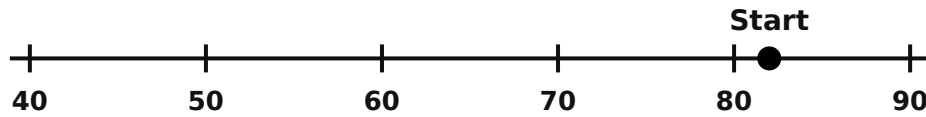
Sofia has a jump rope that is 36 inches long. She ties on a rope that is 27 inches long. Write an

addition equation and find the new length.

### Question 7: Cut the string (2 points)

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Ethan has 82 inches of string. He cuts off 35 inches. Use the number line to find how many inches are left.



A number line with a dot at 82.

### Question 8: Garden hose (3 points)

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A garden hose is 75 feet long. Aisha uses 28 feet for the front yard and 30 feet for the back yard.

- How many feet of hose does she use in all? (1 point)
- How many feet of hose are not used? (2 points)

### Question 9: Bridge sections (3 points)

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A bridge is 100 feet long. The first section is 64 feet long. The rest of the bridge is the second section.

- Write an equation with a ? for the length of the second section. (1 point)
- Solve the equation. (1 point)
- Show how to check the answer. (1 point)