

Grade 2 · Measuring Length · Quiz

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: _____

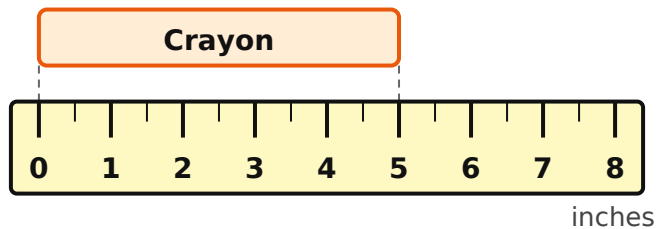
Take this 10-question quiz on measuring length. Read rulers, pick units and tools, compare lengths, and solve stories. Choose the one best answer for each question, then check the short explanation after each one.

Grade 2 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

Questions

Question 1

How long is the crayon?

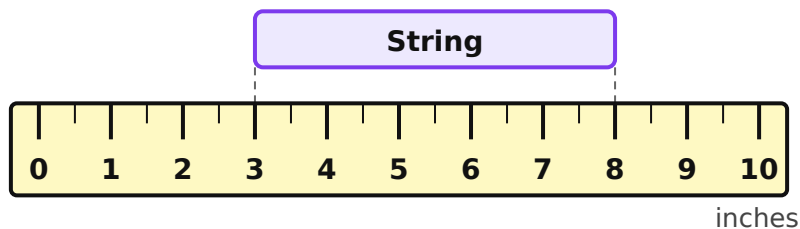


A crayon above an inch ruler.

- A. 4 inches
- B. 6 inches
- C. 7 inches
- D. 5 inches

Question 2

How long is the string?



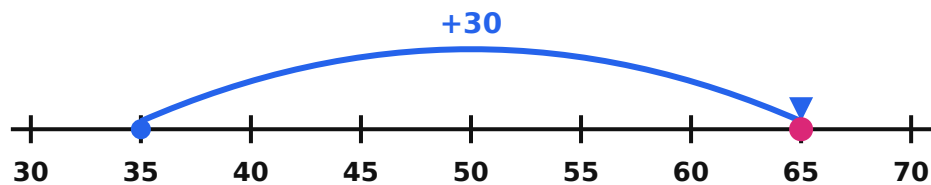
A string above an inch ruler, starting at 3.

- A. 5 inches

- B. 8 inches
- C. 3 inches
- D. 11 inches

Question 3

Which equation does the number line show?



A jump of 30 from 35 to 65.

- A. $35 - 30 = 5$
- B. $65 + 30 = 95$
- C. $35 + 65 = 100$
- D. $35 + 30 = 65$

Question 4

Which tool is best for measuring the length of a school bus?

- A. a 12-inch ruler
- B. a 6-inch ruler
- C. a measuring tape
- D. a pencil box

Question 5

Which is the best estimate for the length of a new pencil?

- A. 7 feet
- B. 7 inches
- C. 70 inches
- D. 7 miles

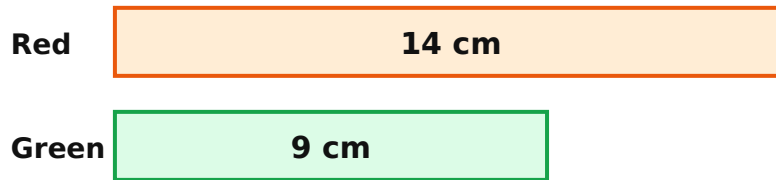
Question 6

A rug is measured in feet and in inches. Which statement is true?

- A. The number of inches is bigger than the number of feet.
- B. The number of feet is bigger than the number of inches.
- C. The two numbers are the same.
- D. The rug cannot be measured in two units.

Question 7

How much longer is the red ribbon than the green ribbon?



Red ribbon 14 cm and green ribbon 9 cm.

- A. 5 cm
- B. 23 cm
- C. 4 cm
- D. 9 cm

Question 8

Mei has 47 feet of rope. Liam has 38 feet of rope. How many feet do they have together?

- A. 75 feet
- B. 9 feet
- C. 85 feet
- D. 84 feet

Question 9

A board is 93 inches long. Jamal cuts off 48 inches. How long is the rest?

- A. 55 inches
- B. 45 inches
- C. 141 inches
- D. 46 inches

Question 10

Priya has 64 cm of ribbon. She uses some and has 29 cm left. Which equation finds how much she used?

- A. $64 + 29 = ?$
- B. $29 - 64 = ?$
- C. $64 - 29 = ?$
- D. $64 + ? = 29$

Answer key

1. **D** – The crayon starts at 0 and ends at 5. A common mistake is counting from the wrong mark.
2. **A** – The string goes from 3 to 8, so $8 - 3 = 5$. Reading only the end mark (8) is a common mistake.
3. **D** – The jump goes right from 35 to 65, so it adds 30. Jumps to the right mean adding.
4. **C** – A bus is very long, so a measuring tape works best. A short ruler would need many moves.
5. **B** – A new pencil is about as long as a sheet of notebook paper is wide. Feet, miles, and 70 inches are much too long.
6. **A** – An inch is shorter than a foot, so it takes more inches than feet to cover the rug.
7. **A** – Subtract the shorter from the longer: $14 - 9 = 5$. Adding the lengths (23) answers a different question.
8. **C** – $47 + 38 = 85$. Forgetting to regroup the 10 gives 75. Subtracting gives 9.
9. **B** – $93 - 48 = 45$. Adding gives 141, and subtracting the smaller digit from the larger in each place gives 55.
10. **C** – She started with 64 and has 29 left, so she used $64 - 29 = 35$ cm. You cannot take 64 from 29.

Remember:

- Line up one end of the object with 0 on the ruler.
- A longer unit, like a foot, gives a smaller number than a shorter unit, like an inch.
- To compare two lengths, measure with the same unit and subtract.
- Number line jumps to the right add lengths. Jumps to the left subtract lengths.
- Write the unit in every answer: in, ft, cm, or m.