

Grade 2 · Measuring Length · Test Answer Key

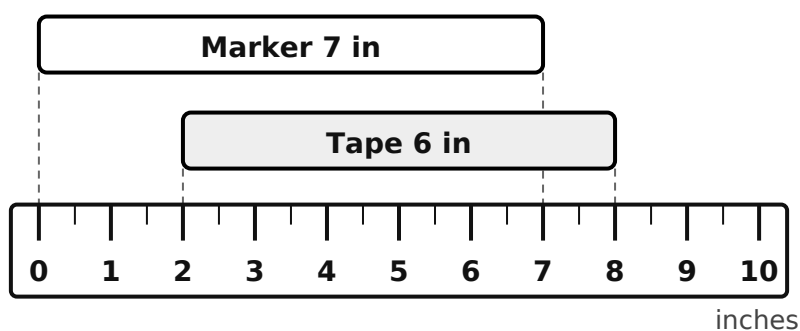
Common Core 2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4, 2.MD.B.5, 2.MD.B.6 · mathovore.fr

Use this answer key to score the length test. Each solution shows the work and a scoring guide. Award points as listed, and add up the points for a total out of 20.

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

Question 1: Reading rulers (2 points)

- a. The marker goes from 0 to 7: **7 inches**.
- b. The tape goes from 2 to 8. $8 - 2 = 6$: **6 inches**.



The marker is 7 inches. The tape is 6 inches.

Scoring: 1 point for each correct length with the unit. Reading 8 for the tape earns no point.

Question 2: Tools and units (2 points)

- a. A door is tall: **feet**.
- b. A soccer field is very long: **measuring tape**.

Scoring: 1 point for each correct answer.

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

- a. The ribbon goes from 0 to 12: **12 centimeters**.
- b. A foot is a longer unit than an inch. It takes fewer long units to cover the same table, so the number is smaller.

Scoring: 1 point for 12 cm with the unit. 1 point for explaining that a foot is longer than an inch (or that longer units give smaller numbers).

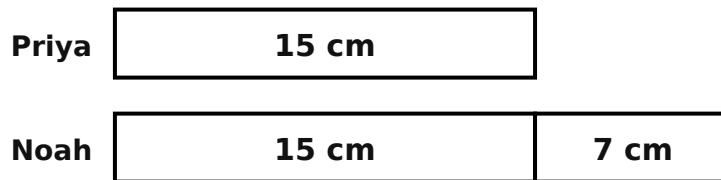
Question 4: Estimate (2 points)

- a. Count by 4s: 4, 8, 12, 16, 20. About **20 inches**.
- b. A door is a little taller than a grown-up: **7 feet**.

Scoring: 1 point for an estimate of 20 inches (accept 18 to 22). 1 point for 7 feet.

Question 5: Two pencils (2 points)

- a. **Noah's** pencil is longer.
- b. $22 - 15 = 7$. It is **7 centimeters** longer.



The extra 7 cm on Noah's pencil.

Scoring: 1 point for Noah. 1 point for 7 cm with the unit.

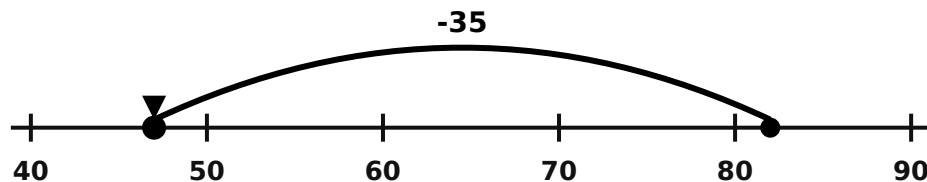
Question 6: Jump rope (2 points)

$36 + 27 = 63$. The rope is **63 inches** long. (Break up: $36 + 20 = 56$, then $56 + 7 = 63$.)

Scoring: 1 point for a correct equation. 1 point for 63 inches with the unit.

Question 7: Cut the string (2 points)

$82 - 35 = 47$. There are **47 inches** left.



A jump of 35 to the left from 82 lands on 47.

Scoring: 1 point for a correct number line jump or subtraction equation. 1 point for 47 inches with the unit.

Question 8: Garden hose (3 points)

- a. $28+30=58$. She uses **58 feet**.
- b. $75-58=17$. There are **17 feet** not used.

Scoring: 1 point for 58 feet. For part (b), 1 point for subtracting 58 from 75 and 1 point for 17 feet with the unit.

Question 9: Bridge sections (3 points)

- a. $100-64=?$ (or $64+?=100$).
- b. $100-64=36$. The second section is **36 feet**.
- c. $64+36=100$. The sum matches the whole bridge.

Scoring: 1 point for each part: a correct equation, 36 feet, and a correct check.

Total
20 points