

# Measuring Length with Tools

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 24

## Q Quick Review

We measure how **long** something is with tools like a **ruler**, a **yardstick**, or a **measuring tape**. To measure with a ruler, line up one end of the object with the 0 mark. Then read the number at the other end. Small things are measured in **inches** or **centimeters**. Longer things use **feet**. Always pick a tool that fits what you are measuring — a ruler for a pencil, a measuring tape for a room.

◇ **Example:** A marker is lined up with the 0 mark on a ruler. Its other end reaches the 5 mark. How long is the marker?  
 ⇒ First, we check that one end of the marker is at the 0 mark — it is. Next, we look at where the other end stops. It reaches the 5 mark on the ruler. The number where the object ends tells us the length. So the marker is 5 inches long.

**Answer:** 5 inches

## PRACTICE

Measure or choose the best tool for each item.

- A pencil starts at 0 and ends at the 6 mark. How long is it? \_\_\_\_\_
- A crayon starts at 0 and ends at the 3 mark. How long is it? \_\_\_\_\_
- A straw starts at 0 and ends at the 8 mark on a ruler. How long is it? \_\_\_\_\_
- A leaf ends at the 4 mark when one end is at 0. How long is the leaf? \_\_\_\_\_
- Best tool to measure a paper clip: a ruler or a yardstick? \_\_\_\_\_
- Best tool to measure a classroom wall: a ruler or a measuring tape? \_\_\_\_\_
- Best tool to measure the length of a soccer field: a ruler or a measuring tape? \_\_\_\_\_
- Best tool to measure a button: a ruler or a yardstick? \_\_\_\_\_
- A stick ends at the 10 mark with one end at 0. How long is the stick? \_\_\_\_\_
- A bookmark ends at the 7 mark with one end at 0. How long is it? \_\_\_\_\_
- A worm measures from 0 to the 5 centimeter mark. How long is it? \_\_\_\_\_
- An eraser measures from 0 to the 2 centimeter mark. How long is it? \_\_\_\_\_
- A nail measures from 0 to the 9 centimeter mark. How long is it? \_\_\_\_\_
- Which unit measures a tiny seed: inches or feet? \_\_\_\_\_
- Which unit measures the length of a couch: inches or feet? \_\_\_\_\_
- A toy car ends at the 4 mark with one end at 0. How long is the car? \_\_\_\_\_
- You start measuring a key. Where should one end of the key be on the ruler? \_\_\_\_\_
- A ribbon measures from 0 to the 12 centimeter mark. How long is it? \_\_\_\_\_
- Best tool to measure how tall a door is: a ruler or a yardstick? \_\_\_\_\_
- A chalk piece ends at the 3 mark with one end at 0. How long is the chalk? \_\_\_\_\_

## ◆ Word Problems

- Mia places her new pencil on a ruler. One end is at the 0 mark and the other end reaches the 7 mark. How long is Mia's pencil? \_\_\_\_\_
- Mr. Lee wants to measure the length of the classroom rug. Should he use a short ruler or a long measuring tape? \_\_\_\_\_
- Sam measures a caterpillar with a centimeter ruler. One end is at 0 and the other end is at the 6 mark. How long is the caterpillar? \_\_\_\_\_



24. Ava needs to measure how tall the door of her room is. Which tool is best: a small ruler or a yardstick? \_\_\_\_\_



## Answer Keys

- |   |   |
|---|---|
| <p>1. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">6inches</span></p> <p>2. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">3inches</span></p> <p>3. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">8inches</span></p> <p>4. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">4inches</span></p> <p>5. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">aruler</span></p> <p>6. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">ameasuringtape</span></p> <p>7. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">ameasuringtape</span></p> <p>8. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">aruler</span></p> <p>9. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">10inches</span></p> <p>10. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">7inches</span></p> <p>11. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">5cm</span></p> <p>12. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">2cm</span></p> | <p>13. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">9cm</span></p> <p>14. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">inches</span></p> <p>15. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">feet</span></p> <p>16. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">4inches</span></p> <p>17. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">the0mark</span></p> <p>18. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">12cm</span></p> <p>19. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">ayardstick</span></p> <p>20. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">3inches</span></p> <p>21. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">7 inches</span></p> <p>22. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">a long measuring tape</span></p> <p>23. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">6 centimeters</span></p> <p>24. <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">a yardstick</span></p> |
|---|---|

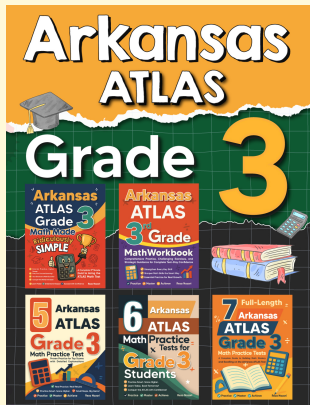
### Step-by-Step Explanations

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|--|--|
| <p>1. The end of the pencil reaches the 6 mark, so the pencil is 6 inches long.</p> <p>2. The crayon ends at the 3 mark, so it is 3 inches long.</p> <p>3. The straw stops at the 8 mark, so its length is 8 inches.</p> <p>4. The leaf reaches the 4 mark, so it measures 4 inches.</p> <p>5. A paper clip is very small, so a ruler is the right tool.</p> <p>6. A wall is long, so a measuring tape works better than a short ruler.</p> <p>7. A field is very long, so a long measuring tape is the best tool.</p> <p>8. A button is tiny, so a ruler measures it best.</p> <p>9. The stick reaches the 10 mark, so it is 10 inches long.</p> <p>10. The bookmark stops at the 7 mark, so it is 7 inches long.</p> <p>11. The worm reaches the 5 cm mark, so it is 5 centimeters long.</p> <p>12. The eraser ends at the 2 cm mark, so it is 2 centimeters long.</p> <p>13. The nail stops at the 9 cm mark, so it is 9 centimeters long.</p> <p>14. A seed is very small, so we measure it in inches, not feet.</p> | <p>15. A couch is long, so feet is the better unit.</p> <p>16. The toy car reaches the 4 mark, so it is 4 inches long.</p> <p>17. Always line up one end of the object with the 0 mark before reading the length.</p> <p>18. The ribbon ends at the 12 cm mark, so it is 12 centimeters long.</p> <p>19. A door is tall, so a yardstick measures it better than a short ruler.</p> <p>20. The chalk reaches the 3 mark, so it is 3 inches long.</p> <p>21. One end of the pencil is at 0 and the other end stops at the 7 mark. The pencil is 7 inches long.</p> <p>22. A rug is much longer than a ruler. A long measuring tape can reach across the whole rug at once.</p> <p>23. The caterpillar starts at the 0 mark and ends at the 6 mark, so it is 6 centimeters long.</p> <p>24. A door is tall, so a yardstick is the best tool. A small ruler would be too short to measure it easily.</p> |
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