

Chapter 9 Review/Test

**Personal Math Trainer**Online Assessment
and Intervention

1. Michael uses unit cubes to measure the length of the yarn. Circle the number in the box that makes the sentence true.



The yarn is

2

4

6

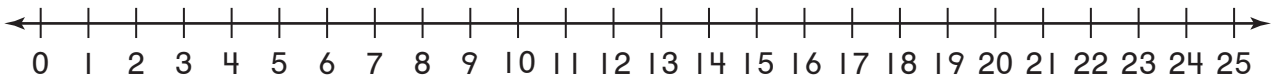
centimeters long.

2. The paper clip is about 4 centimeters long. Robin says the string is about 7 centimeters long. Gale says the string is about 20 centimeters long.



Which girl has the better estimate? Explain.

3. **Go DEEPER** Sandy's paper chain is 14 centimeters long. Tim's paper chain is 6 centimeters long. How many centimeters of paper chain do they have? Draw a diagram. Write a number sentence using a for the missing number. Then solve.



The paper chain is _____ centimeters long now.

4. Write the word on the tile that makes the sentence true.

centimeters

meters

A hallway is 4 _____ long.

A marker is 15 _____ long.

A toothpick is 5 _____ long.

A sofa is 2 _____ long.

Name _____

5. Estimate the length of a real car. Fill in the bubble next to all the sentences that are true.



- ☐ The car is about 4 meters long.
- ☐ The car is less than 1 meter long.
- ☐ The car is less than 6 meters long.
- ☐ The car is about 20 centimeters long.
- ☐ The car is more than 150 meters long.

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6. **THINK SMARTER +** Measure the length of each object. Does the sentence describe the objects? Choose Yes or No.



_____ centimeters



_____ centimeters

The marker is 11 centimeters longer than the crayon.

☐ Yes ☐ No

The crayon is 4 centimeters shorter than the marker.

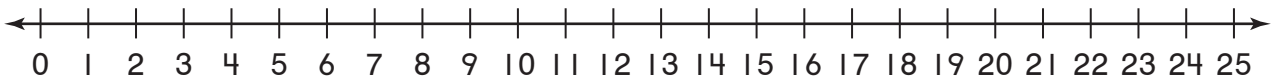
☐ Yes ☐ No

The total length of the marker and the crayon is 18 centimeters.

☐ Yes ☐ No

7. Ethan's rope is 25 centimeters long. Ethan cuts the rope and gives a piece to Hank. Ethan's rope is now 16 centimeters long. How many centimeters of rope does Hank have?

Draw a diagram. Write a number sentence using a for the missing number. Then solve.



Hank has _____ centimeters of rope.

8. Measure the length of the paintbrush to the nearest centimeter. Circle the number in the box that makes the sentence true.



The paintbrush is about _____ centimeters long.

12

13

14