

Measuring Length: math test solutions, Grade 1 – download the PDF

Test solutions with the detailed point scale. Add up your points and spot what to review.

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 Choose the word

/ 4 pts

- a. longer (1 pt)
- b. shorter (1 pt)
- c. tallest, because 14 is the greatest number (1 pt)
- d. shortest, because 10 is the least number (1 pt)

2 Three ribbons

/ 4 pts

- a. The blue ribbon, 7 cubes (1 pt)
- b. The red ribbon, 4 cubes (1 pt)
- c. Red 4, green 5, blue 7: **red, green, blue** (2 pts)

3 The helpful yarn

/ 3 pts

- a. The door is longer than the yarn, and the yarn matches the window, so the door is **longer**. (1 pt)
- b. The mirror is shorter than the yarn, so it is **shorter** than the window. (1 pt)
- c. mirror, window, door (1 pt)

4 Measure the marker

/ 3 pts

- a. Count the cubes: the marker is **9 cubes** long. (1 pt)
- b. With gaps, the cubes do not cover the whole length, so she counted too few cubes. She must lay them end to end. (1 pt)
- c. $12 - 9 = 3$. The pen is **3 cubes** longer. (1 pt)

5 Snakes

/ 3 pts

- a. 11 is the greatest, so **Mia's** snake is the longest. (1 pt)
- b. 6 is the least, so **Ava's** snake is the shortest. (1 pt)
- c. $11 - 8 = 3$. Mia's snake is **3 blocks** longer. (1 pt)

6 Hand spans

/ 3 pts

- a. Yes, both can be right. (1 pt) Their hands are not the same size, so the units are different. Dan's hand is bigger, so he needs fewer spans than Ella. (2 pts)



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