

Measuring and Estimating Length: math test solutions, Grade 2 – 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 unit

/ 3 pts

- a. **Centimeters**, because a fingernail is tiny. (1 pt)
- b. **Feet**, because a pool is long. (1 pt)
- c. **Meters**, because a bus is very long. (1 pt)

2 Reading a ruler

/ 3 pts

- a. The ribbon starts at 1 and ends at 6: $6 - 1 = 5$. The ribbon is **5 inches** long. (2 pts)
- b. $5 - 3 = 2$. The ribbon is **2 inches longer**. (1 pt)

3 Units and comparing

/ 4 pts

- a. 1 foot = **12 inches**. (1 pt)
- b. 1 meter = **100 centimeters**. (1 pt)
- c. 3 feet is $12 + 12 + 12 = 36$ inches. (1 pt) Since $40 > 36$, **40 inches** is longer. (1 pt)

4 Lena's ribbon

/ 4 pts

- a. $72 - 45 = 27$. **27 centimeters** are left. (2 pts)
- b. $27 + 19 = 46$. Her ribbon is now **46 centimeters** long. (2 pts)

5 Shells on a line plot

/ 3 pts

- a. There are 3 Xs above 4, so **3 shells**. (1 pt)
- b. $3 + 1 + 1 = 5$ (three at 4, one at 5, one at 6), so **5 shells**. (1 pt)
- c. $6 - 2 = 4$, so the longest is **4 centimeters longer**. (1 pt)

6 A walk along a path

/ 3 pts

- a. $35 + 24 = 59$. Joe walked **59 feet**. (2 pts)
- b. 59 is just 1 away from 60 and 9 away from 50, so it is **closer to 60 feet**. (1 pt)



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