

Measuring and Estimating Length: math practice, Grade 2 – download the PDF

21 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1 Choose the best unit



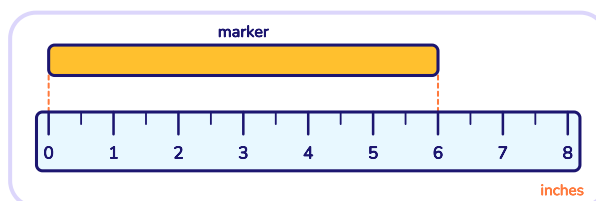
Choose the best unit for each measurement.

- a. The length of a bean (centimeters or meters)
- b. The length of a hallway (inches or feet)
- c. The width of a playground (centimeters or meters)
- d. The length of a notebook (inches or feet)

2 Read the ruler



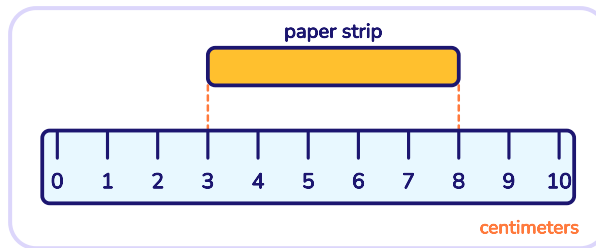
A marker is lined up with the 0 mark of the ruler.



How long is the marker? Write your answer with a unit.

3**A strip that does not start at 0**

A paper strip is placed on a centimeter ruler.



Where does the strip start and where does it end? How long is it?

4**Matching units**

Fill in the blanks.

- a. 1 foot = ___ inches
- b. 1 meter = ___ centimeters
- c. 1 yard = ___ feet
- d. 2 feet = ___ inches

5**Which is longer?**

Circle the longer length in each pair.

- a. 8 inches or 1 foot
- b. 2 feet or 20 inches

6**Pick the tool**

Match each job with the best tool: *ruler*, *yardstick* or *measuring tape*.

- a. Measure a pencil.
- b. Measure the width of the whole classroom.
- c. Measure the height of a bookshelf that is about 3 feet tall.

7**True or false?**

Write true or false and explain.

- a. A foot is longer than an inch.
- b. A meter stick is shorter than a yardstick.
- c. 100 centimeters is the same as 1 meter.
- d. To measure a hallway you would use more centimeters than meters.

8**Same desk, two units**

Lena measures her desk in inches and gets 24 inches. Then she measures it in feet. What does she get? Why is the number smaller?

9**Who guessed best?**

A book is really 10 inches long. Mia estimated 8 inches and Leo estimated 11 inches. Whose estimate was closer?

10**Joining ribbons**

Nora has a ribbon that is 15 centimeters long and another one that is 28 centimeters long. She ties them end to end. How long is the new ribbon?

11 Cutting a rope



A jump rope is 45 inches long. Omar cuts off 18 inches to make it shorter. How long is the rope now?

12 Red and blue yarn



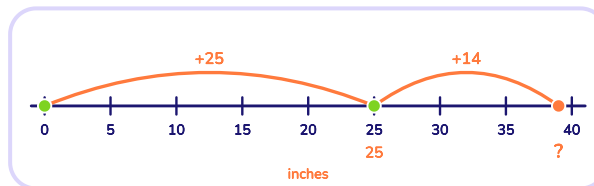
A blue yarn is 36 centimeters long. A red yarn is 52 centimeters long.

- How much longer is the red yarn?
- How long are the two yarns together?

13 The frog jump



A frog jumps 25 inches and then 14 more inches along a path.

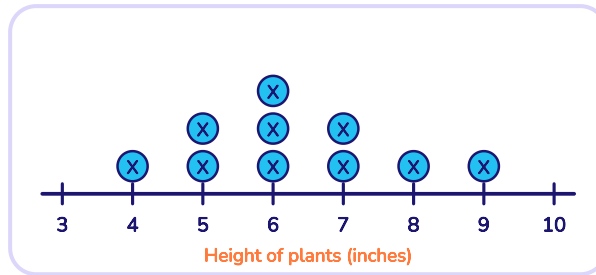


Where does the frog land? Write the number sentence.

14 Reading a line plot



The line plot shows the heights of plants in a garden.



- How many plants are 6 inches tall?
- How many plants are taller than 6 inches?
- How much taller is the tallest plant than the shortest?
- How many plants were measured?

15 Make a line plot



Jada measured ten leaves to the nearest centimeter: 3, 5, 4, 4, 6, 5, 4, 3, 5, 4.

- Count how many leaves there are of each length.
- Describe how to draw the line plot.
- What is the most common length?
- How many leaves are 5 centimeters or longer?

16 Building a fence



A short fence is made from three boards that are 24 inches, 24 inches and 17 inches long, placed end to end. A fourth board is added and the fence is now 90 inches long.

- How long was the fence with three boards?
- How long is the fourth board?

17 Jumping contest

Maya jumped 3 feet. Ben jumped 30 inches. Who jumped farther, and by how many inches?

18 Three snakes

At the zoo, three snakes measure 58 centimeters, 74 centimeters and 66 centimeters.

- Put the lengths in order from shortest to longest.
- How much longer is the longest snake than the shortest snake?

19 Find the mistake

Sam put a pencil on a ruler. The pencil starts at the 1 mark and ends at the 8 mark. Sam says, "The pencil is 8 inches long." What mistake did Sam make? What is the correct length?

20 Two scarves

A red scarf is 87 centimeters long. A blue scarf is 29 centimeters shorter than the red scarf.

- How long is the blue scarf?
- How long are the two scarves together?

21 The one-meter ribbon

Pia has a ribbon that is 1 meter long. She cuts a piece that is 35 centimeters and another piece that is 28 centimeters. How much ribbon is left? (Hint: 1 meter is 100 centimeters.)



Test yourself: quick challenge for Grade 2

[Change level](#)

Level : **Grade 2**

6 random questions, instant feedback.



Start the challenge



Speed drill for Grade 2: how many in 60 seconds?



Keep exploring with Zyro



Practice solutions

Measuring and Estimating Length:
practice solutions, Grade 2



Math lessons

Measuring and Estimating Length: math
lesson, Grade 2

 Math quizzes

Measuring and Estimating Length: math quiz, Grade 2

 Practice solutions

Data, Graphs and Line Plots: practice solutions, Grade 2

 Practice solutions

Shapes, Arrays and Equal Parts: practice solutions, Grade 2

 Math lessons

Data, Graphs and Line Plots: math lesson, Grade 2

Zyro vous emmène sur nos sites partenaires

Embarquez pour d'autres planètes du savoir et leurs applis.

Décollage