

Name _____

Metric Units of Length

COMMON CORE STANDARD CC.4.MD.1

Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

Complete.

1. 4 meters = 400 centimeters

Think: 1 meter = 100 centimeters,
so 4 meters = 4×100 centimeters,
or 400 centimeters

2. 8 centimeters = _____ millimeters

3. 5 meters = _____ decimeters

4. 9 meters = _____ millimeters

5. 7 meters = _____ centimeters

Compare using $<$, $>$, or $=$.

6. 8 meters \bigcirc 80 centimeters

7. 3 decimeters \bigcirc 30 centimeters

8. 4 meters \bigcirc 450 centimeters

9. 90 centimeters \bigcirc 9 millimeters

Describe the length in meters. Write your answer as a fraction and as a decimal.

10. 43 centimeters = _____ or
_____ meter

11. 6 decimeters = _____ or
_____ meter

12. 8 centimeters = _____ or
_____ meter

13. 3 decimeters = _____ or
_____ meter

Problem Solving

14. A flagpole is 4 meters tall. How many centimeters tall is the flagpole?

15. A new building is 25 meters tall. How many decimeters tall is the building?

Lesson Check (CC.4.MD.1)

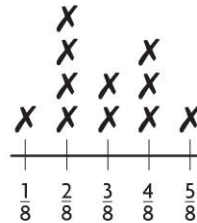
- A pencil is 15 centimeters long. How many millimeters long is that pencil?
 - (A) 1.5 millimeters
 - (B) 15 millimeters
 - (C) 150 millimeters
 - (D) 1,500 millimeters
- John's father is 2 meters tall. How many centimeters tall is John's father?
 - (A) 2,000 centimeters
 - (B) 200 centimeters
 - (C) 20 centimeters
 - (D) 2 centimeters

Spiral Review (CC.4.NF.4b, CC.4.NF.7, CC.4.MD.4)

- Bruce reads for $\frac{3}{4}$ hour each night. How long will he read in 4 nights? (Lesson 8.3)
 - (A) $\frac{3}{16}$ hour
 - (B) $\frac{7}{4}$ hours
 - (C) $\frac{9}{4}$ hours
 - (D) $\frac{12}{4}$ hours
- Mark jogged 0.6 mile. Caroline jogged 0.49 mile. Which inequality correctly compares the distances they jogged? (Lesson 9.7)
 - (A) $0.6 = 0.49$
 - (B) $0.6 > 0.49$
 - (C) $0.6 < 0.49$
 - (D) $0.6 + 0.49 = 1.09$

Use the line plot for 5 and 6.

- How many lawns were mowed? (Lesson 12.5)
 - (A) 8
 - (B) 9
 - (C) 10
 - (D) 11
- What is the difference between the greatest amount and least amount of gasoline used to mow lawns? (Lesson 12.5)
 - (A) $\frac{6}{8}$ gallon
 - (B) $\frac{5}{8}$ gallon
 - (C) $\frac{4}{8}$ gallon
 - (D) $\frac{3}{8}$ gallon



**Gasoline Used to Mow
Lawns in May (in Gallons)**