

## Grade 4th Math Worksheet 2: Measurement of length (Advanced Level)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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### Part 1: Fill in the Blanks

- 1 kilometer = \_\_\_\_\_ meters.
  - 1 meter = \_\_\_\_\_ millimeters.
  - 1 meter = \_\_\_\_\_ decimeters.
  - 1 centimeter = \_\_\_\_\_ millimeters.
  - A marathon race is 42.195 kilometers long. This is equal to \_\_\_\_\_ meters.
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### Part 2: Choose the Correct Answer

- Which of the following is the most appropriate unit to measure the length of a school bus?
  - a) Millimeters
  - b) Centimeters
  - c) Meters
  - d) Kilometers
- How many millimeters are in 5.3 meters?
  - a) 530 millimeters
  - b) 5300 millimeters
  - c) 53000 millimeters
  - d) 530000 millimeters
- How many centimeters are in 3.5 kilometers?
  - a) 350 centimeters
  - b) 3500 centimeters
  - c) 35000 centimeters

- d) 350000 centimeters
4. A ribbon is 200 centimeters long. How many meters is that?
- a) 2 meters
  - b) 0.2 meters
  - c) 20 meters
  - d) 2000 meters
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### Part 3: Measurement Practice

Use a ruler or measuring tape to measure the following objects. Write the length in centimeters (cm) or meters (m).

1. The length of your classroom desk: \_\_\_\_\_
  2. The height of a doorway: \_\_\_\_\_
  3. The width of your notebook: \_\_\_\_\_
  4. The length of your school bag: \_\_\_\_\_
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### Part 4: Convert Between Units

Convert the following lengths:

1. 4.5 meters = \_\_\_\_\_ centimeters
  2. 350 millimeters = \_\_\_\_\_ centimeters
  3. 6000 millimeters = \_\_\_\_\_ meters
  4. 0.25 kilometers = \_\_\_\_\_ meters
  5. 1.8 meters = \_\_\_\_\_ centimeters
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### Part 5: Word Problems

1. A track is 400 meters long. How many kilometers long is the track?  
**Answer:** \_\_\_\_\_
2. You are measuring the length of a rope that is 3.75 meters long. How many millimeters is the rope?  
**Answer:** \_\_\_\_\_
3. A football field is 110 meters long. How many centimeters is the field?  
**Answer:** \_\_\_\_\_

4. A building is 150 meters tall. If you wanted to measure the total height in centimeters, what would it be?

**Answer:** \_\_\_\_\_

5. A race is 10 kilometers long. How many meters is the race?

**Answer:** \_\_\_\_\_

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### Part 6: True or False

- 1 kilometer is equal to 1000 meters.
    - True
    - False
  - A swimming pool is usually measured in centimeters, not meters.
    - True
    - False
  - 2000 millimeters is equal to 2 meters.
    - True
    - False
  - A marathon race is measured in kilometers, not meters.
    - True
    - False
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### Bonus Question:

A piece of string is 225 centimeters long. You cut it into 9 equal pieces. How long is each piece in millimeters?

**Answer:** \_\_\_\_\_

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### Teacher's Notes:

- This worksheet is designed to challenge students who are already familiar with basic length measurements and conversions, focusing on applying their knowledge to more complex problems.
- Encourage students to visualize objects in the real world when considering units of measurement. For example, a marathon or a football field can help them understand the scale of the measurements involved.

- Make sure students understand how to convert between units and how to approach multi-step problems like calculating the total height of a building in centimeters.
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This worksheet should offer a more advanced challenge while reinforcing the concepts students have learned. It combines real-world scenarios with practical applications of length measurement. Let me know if you need further adjustments or more worksheets!

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You have not enough Humanizer words left. Upgrade your Surfer plan.

**You said:**

1 more

**ChatGPT said:**

ChatGPT

Of course! Here's another **advanced-level worksheet on Measurement of Length** for Grade 4 students, with a focus on converting between units, solving real-life application problems, and practicing multi-step reasoning tasks.

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## **Grade 4 Worksheet: Measurement of Length (Advanced Level)**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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### **Part 1: Fill in the Blanks**

1. 1 kilometer = \_\_\_\_\_ meters.
  2. 1 meter = \_\_\_\_\_ millimeters.
  3. 1 meter = \_\_\_\_\_ decimeters.
  4. A marathon is 42.195 kilometers long. This is equal to \_\_\_\_\_ meters.
  5. 5 meters = \_\_\_\_\_ millimeters.
- 

### **Part 2: Choose the Correct Answer**

1. Which of the following is the most appropriate unit for measuring the length of a river?
    - a) Millimeters
    - b) Centimeters
    - c) Meters
    - d) Kilometers
  2. How many millimeters are in 3.75 meters?
    - a) 375 millimeters
    - b) 3750 millimeters
    - c) 37500 millimeters
    - d) 375000 millimeters
  3. A road is 10 kilometers long. How many meters is that?
    - a) 100 meters
    - b) 1000 meters
    - c) 10000 meters
    - d) 100000 meters
  4. A ribbon is 1200 millimeters long. How many centimeters is the ribbon?
    - a) 12 centimeters
    - b) 120 centimeters
    - c) 1200 centimeters
    - d) 12000 centimeters
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### Part 3: Measurement Practice

Use a ruler or measuring tape to measure the following objects. Write the length in centimeters (cm) or meters (m).

1. The length of a window in your house: \_\_\_\_\_
  2. The width of your textbook: \_\_\_\_\_
  3. The height of your classroom ceiling: \_\_\_\_\_
  4. The length of your school bag: \_\_\_\_\_
- 

### Part 4: Convert Between Units

Convert the following lengths:

1. 4 kilometers = \_\_\_\_\_ meters
2. 2.5 meters = \_\_\_\_\_ centimeters

3. 450 millimeters = \_\_\_\_\_ centimeters
  4. 3.4 meters = \_\_\_\_\_ centimeters
  5. 3000 centimeters = \_\_\_\_\_ meters
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### Part 5: Word Problems

1. A soccer field is 110 meters long and 70 meters wide. What is the perimeter of the soccer field in meters? (Hint: Perimeter =  $2 \times (\text{length} + \text{width})$ )  
**Answer:** \_\_\_\_\_
  2. A swimming pool is 25 meters long. How many millimeters long is the swimming pool?  
**Answer:** \_\_\_\_\_
  3. A runner completes a 5-kilometer race. How many meters did the runner run?  
**Answer:** \_\_\_\_\_
  4. A rope is 6.5 meters long. You cut it into 10 equal pieces. How long is each piece in centimeters?  
**Answer:** \_\_\_\_\_
  5. A box has a length of 1.2 meters, a width of 50 centimeters, and a height of 75 centimeters. What is the total length, width, and height of the box in centimeters?  
**Answer:** \_\_\_\_\_
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### Part 6: True or False

1. 1000 millimeters is equal to 1 meter.
    - True
    - False
  2. A marathon race is typically measured in meters.
    - True
    - False
  3. 1500 millimeters is equal to 15 centimeters.
    - True
    - False
  4. A football field is usually measured in kilometers.
    - True
    - False
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**Bonus Question:**

You have a piece of rope that is 1.75 meters long. How many millimeters long is the rope?

**Answer:** \_\_\_\_\_

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--BE THE CHAMPION!--