



PLANIT
TEACHERS

Exploring Measurement: Length in Centimeters and Meters

Student Name: _____

Class: _____

Due Date: _____

Introduction

Welcome to this exciting homework assignment, where you will learn about measuring length in centimeters and meters. This activity is designed for 6-year-old students and is estimated to take 15-20 minutes to complete. Through a variety of engaging tasks, you will develop your understanding of measurement units, enhance your critical thinking skills, and practice independent learning.

Measurement is an essential skill that we use in our everyday lives. We measure the length of objects, the weight of ingredients, and the time it takes to complete tasks. In this assignment, we will focus on measuring length in centimeters and meters.

Student Instructions

To complete this assignment, please follow these steps:

1. **Read each question carefully** and make sure you understand what is being asked.
2. **Use a pencil** to write your answers.
3. **Draw diagrams or pictures** to help you solve problems if needed.
4. **Check your work** when you finish to make sure everything is correct.
5. **Have fun learning about measurement!**

Activity 1: Matching Game

Match the objects with their correct measurements in centimeters or meters.

Object	Measurement
Pencil	_____ cm
Ruler	_____ cm
Desk	_____ m
Book	_____ cm
Classroom	_____ m

Activity 2: Measurement Practice

Write the correct unit of measurement (cm or m) for each of the following lengths:

1. The length of a standard pencil: _____
2. The distance around a football field: _____
3. The height of a bookshelf: _____
4. The length of a typical room: _____

Activity 3: Real-World Scenarios

Read each scenario and answer the questions:

1. **Tom's Pencil:** Tom has a pencil that is 15 cm long. If he gives 3 cm to his friend, how long is his pencil now? _____ cm
2. **The Classroom:** The classroom is 8 meters long. If we divide it into sections that are 2 meters long, how many sections can we make? _____
3. **The Playground:** The playground is 50 meters long. If we measure it in centimeters, how many centimeters long is it? (Remember, 1 meter = 100 centimeters) _____ cm

Activity 4: Measurement Conversion

Convert the following measurements from centimeters to meters or meters to centimeters:

1. 250 cm = _____ m
2. 5 m = _____ cm
3. 120 cm = _____ m
4. 2.5 m = _____ cm


Activity 5: Word Problems

Solve the following word problems:

1. A bookshelf is 180 cm tall. If we add 20 cm to its height, how tall will it be? _____ cm
2. A room is 4 meters long. If we divide it into sections that are 1 meter long, how many sections can we make? _____
3. A pencil is 12 cm long. If we add 5 cm to its length, how long will it be? _____ cm

Activity 6: Picture Measurement

Look at the picture below and answer the questions:

 Picture of a Room

1. What is the length of the bookshelf in centimeters? _____ cm
2. What is the length of the room in meters? _____ m
3. What is the height of the table in centimeters? _____ cm

Activity 7: Measurement Story

Write a short story that includes at least three different measurements in centimeters and meters. Try to use these measurements in a meaningful way within your story.

Activity 8: Measurement Scavenger Hunt

Find objects in your home or classroom that have the following measurements:

Object	Measurement
_____	10 cm
_____	1 meter
_____	50 cm
_____	2 meters

Activity 9: Measurement Sorting

Sort the following measurements into centimeters or meters:

- 15 cm
- 2 m
- 100 cm
- 5 m
- 25 cm
- 1 m

Write the measurements in the correct category:

Centimeters: _____

Meters: _____

Activity 10: Measurement Reflection

Reflect on what you have learned about measurement in this assignment. Write a short paragraph about what you learned and how you can apply it in your everyday life.

Success Criteria

To successfully complete this assignment, ensure that:

- All questions in the matching game are correctly matched.
- The measurement practice section is completed with the correct unit of measurement for each length.
- Real-world scenarios are answered correctly, showing an understanding of centimeters and meters.
- Work is neat, and diagrams are clear and relevant.
- For extension activities, creativity and understanding of measurement concepts are demonstrated.

Parent/Guardian Notes

To support your child's learning:

- Encourage them to use real-life objects to practice measurement.
- Discuss with them how measurements are used in everyday life.
- Help them understand the difference between centimeters and meters, and when to use each.
- Encourage your child to check their work and explain their reasoning.
- Provide assistance if needed, but let your child do the work to ensure they understand and learn from the activities.

Glossary

Centimeter (cm): a unit of measurement equal to one-hundredth of a meter.

Meter (m): a unit of measurement equal to 100 centimeters.

Measurement: the act of finding the size or amount of something.

Additional Resources

For more practice and learning, you can visit the following websites:

- [Math is Fun: Measurement](#)
- [Khan Academy: 6th Grade Measurement](#)

Conclusion

Congratulations on completing this homework assignment! You have learned about measuring length in centimeters and meters, and have practiced using these units in real-world scenarios. Remember to always check your work and explain your reasoning. Keep practicing, and soon you will become a master of measurement!

Activity 11: Measurement Conversion Practice

Convert the following measurements from centimeters to meters or meters to centimeters:

Measurement Conversion

250 cm _____ m
5 m _____ cm
120 cm _____ m
2.5 m _____ cm


Activity 12: Word Problems

Solve the following word problems:

1. A bookshelf is 180 cm tall. If we add 20 cm to its height, how tall will it be? _____ cm
2. A room is 4 meters long. If we divide it into sections that are 1 meter long, how many sections can we make? _____
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Activity 13: Picture Measurement

Look at the picture below and answer the questions:

 Picture of a Room

1. What is the length of the bookshelf in centimeters? _____ cm
2. What is the length of the room in meters? _____ m
3. What is the height of the table in centimeters? _____ cm

Activity 14: Measurement Story

Write a short story that includes at least three different measurements in centimeters and meters. Try to use these measurements in a meaningful way within your story.

Activity 15: Measurement Scavenger Hunt

Find objects in your home or classroom that have the following measurements:

Object	Measurement
_____	10 cm
_____	1 meter
_____	50 cm
_____	2 meters

Activity 16: Measurement Sorting

Sort the following measurements into centimeters or meters:

- 15 cm
- 2 m
- 100 cm
- 5 m
- 25 cm
- 1 m

Write the measurements in the correct category:

Centimeters: _____

Meters: _____

Activity 17: Measurement Reflection

Reflect on what you have learned about measurement in this assignment. Write a short paragraph about what you learned and how you can apply it in your everyday life.

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Well done on completing your homework children!