

In Three Formats:

Google Slides, PPT, & PDF



Prep Free! Ready to Use! Independent!

Introduction

1. **All versions, PDF, Google Slides, and PPD share the same contents. However, there are slight wording changes to accommodate each version.**
2. **This product covers Common Core Standard 2.MD.4 in Measurement and Data.**
3. **There are 7 student work pages and 7 answer pages. Student work pages are provided in both ink and color while answer pages are only available in color.**

Page 5-11: Student Work Sheets in Ink

Page 12-18: Student Work Sheets in Color

Page 19-25: Answer Sheets in Color

Table of Contents

- 1. Introduction to Length Difference in Measurement**
- 2. Length Difference in Centimeters (1)**
- 3. Length Difference in Centimeters (2)**
- 4. Length Difference in Inches (1)**
- 5. Length Difference in Inches (2)**
- 6. Length Differences in Centimeters, Meters, Inches, Feet, and Yards**
- 7. 2.MD.4 Assessment**

Covers 2.MD.4 standard in Measurement and Data

Differentiated! Interactive! Independent! Prep Free! Easy to Use!


Name: _____


Answer Sheet Measurement

Directions: Compare the two figures in length. Step. Fill the blanks.

What does it mean by comparing measurements in length?
To compare two measurements in length is to find the difference between the two measurements.

- Find the measurement of each figure.
- Find the measurement difference by subtraction.
- Write your comparing statement.

 Rhino is 10 cm.


 Dino is 14 cm.

$10 \text{ cm.} - 6 \text{ cm.} = 4 \text{ cm.}$

The measurement difference is 4 cm.

Dino is 4 cm. longer than Rhino.

Rhino is 4 cm. shorter than Dino.



Name: _____




Answer Sheet Measurement

Directions: Drag the ruler to measure the width of each mini building as shown below to the nearest inches. Fill the blanks.

Difference in width is 2 inches.

Building B is 2 inches wider than Building C.

Building C is 2 inches less narrower than Building B.

Name: _____

Answer Sheet Measurement

Directions: Drag the ruler to measure the height of each character to the nearest cm. Fill the blanks.

Difference between A and B in height is 3 cm.

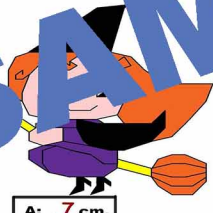
Difference between C and D in height is 5 cm.


Difference between A and E in height is 6 cm.


Difference between B and D in height is 4 cm.


Difference between C and A in height is 4 cm.


Difference between E and D in height is 9 cm.


 A: 7 cm.

 B: 4 cm.

 C: 3 cm.

 D: 12 cm.

 E: 13 cm.



Name: _____

Answer Sheet Measurement

Directions: Measure each real item using the ruler. Round your number.

Item	Measure
A: Crayon length	<u>9</u> cm
B: Scissor length	<u>13</u> cm.
Blackboard length	<u>2</u> meters
Blackboard width	<u>1</u> meters
Marker length	<u>5</u> inches
F: Calculator length	<u>15</u> cm
G: Your Body height	<u>4</u> feet
H: Your Body width	<u>1</u> foot
I: Playground length	<u>9</u> yards
J: Playground width	<u>7</u> yards

1. Length difference between the crayon and the scissor: 4 cm.

2. Length difference between the length and the width of the blackboard: 1 meter.

3. Length difference between the marker and the calculator: 0 inches.

4. Length difference between your height and your width: 3 feet.

5. Length difference between the length of the playground and the width of the playground: 2 yards.

Google Slides Version 2.MD.4

Second Grade Math Measurement



Table of Contents

1. Introduction to Length Difference in Measurement
2. Length Difference in Centimeters (1)
3. Length Difference in Centimeters (2)
4. Length Difference in Inches (1)
5. Length Difference in Inches (2)
6. Length Differences in Centimeters, Meters, Inches, Feet, and Yards
7. 2.MD.4 Assessment

COMMON CORE STANDARDS COVERED: 2.MD.4 IN MEASUREMENT AND DATA

Measurement

Directions: Compare the two toy figures in length step by step. Fill the blanks.

What does it mean by comparing measurements in length?

1 Find the measurements of both toy figures.
Rhino is 7 cm. Dino is 2 cm.

2 Find the measurement difference by subtraction.
7 cm. - 2 cm. = 5 cm.

3 Write your comparing statement.
Rhino is 5 cm. longer than Dino.

Answer Sheet Measurement

Directions: Compare the two toy figures in length step by step. Fill the blanks.

What does it mean by comparing measurements in length?
To compare measurements in length is to find the difference between the two length measurements.

1 Find the measurements of both toy figures.
Rhino is 6 cm. Dino is 10 cm.

2 Find the measurement difference by subtraction.
10 cm. - 6 cm. = 4 cm.

3 Write your comparing statement.
The measurement difference is 4 cm.
Dino is 4 cm. longer than Rhino.
Rhino is 4 cm. shorter than Dino.

Measurement

Directions: Drag the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference in height is 2 cm.
A is 2 cm. shorter than B.

Difference in height is 3 cm.
C is 3 cm. taller than D.

Answer Sheet Measurement

Directions: Drag the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference in height is 4 cm.
A is 4 cm. shorter than B.

Difference in height is 8 cm.
C is 8 cm. taller than D.

Measurement

Directions: Drag the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference between A and B in height is 2 cm.
Difference between C and D in height is 5 cm.
Difference between A and E in height is 6 cm.
Difference between B and D in height is 4 cm.
Difference between C and A in height is 4 cm.
Difference between E and B in height is 9 cm.

Answer Sheet Measurement

Directions: Drag the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference between A and B in height is 3 cm.
Difference between C and D in height is 5 cm.
Difference between A and E in height is 6 cm.
Difference between B and D in height is 4 cm.
Difference between C and A in height is 4 cm.
Difference between E and B in height is 9 cm.

Measurement

Directions: Drag the ruler to measure the width of each mini building as shown below to the nearest inches. Fill the blanks.

Difference in width is 2 inches.
A is 2 inches. shorter than B.

Difference in width is 7 inches.
C is 7 inches. taller than D.

Answer Sheet Measurement

Directions: Drag the ruler to measure the width of each mini building as shown below to the nearest inches. Fill the blanks.

Difference in width is 2 inches.
A is 2 inches. wider than B.

Difference in width is 2 inches.
C is 2 inches. less narrower than D.

Measurement

Directions: Drag the ruler to measure the length of each toy transportation to the nearest in. Fill the blanks.

Difference between A and B in length is 2 in.
Difference between C and D in length is 2 in.
Difference between A and E in length is 2 in.
Difference between B and D in length is 1 in.
Difference between C and A in length is 0 in.
Difference between E and B in length is 5 in.

Answer Sheet Measurement

Directions: Drag the ruler to measure the length of each toy transportation to the nearest in. Fill the blanks.

Difference between A and B in length is 1 in.
Difference between C and D in length is 2 in.
Difference between A and E in length is 4 in.
Difference between B and D in length is 1 in.
Difference between C and A in length is 0 in.
Difference between E and B in length is 5 in.

Measurement

Directions: Measure each real item using the unit as specified. Round your number. Fill the blanks.

Item	Measure
A: Crayon length	<u>2</u> cm.
B: Scissor length	<u>2</u> cm.
C: Blackboard length	<u>2</u> meters
D: Blackboard width	<u>2</u> meters
E: Marker length	<u>2</u> inches
F: Calculator length	<u>2</u> inches
G: Your Body height	<u>2</u> feet
H: Your Body width	<u>2</u> feet
I: Playground length	<u>2</u> yards
J: Playground width	<u>2</u> yards

1. Length difference between the crayon and the scissor: 2 cm.
2. Length difference between the length and the width of the blackboard: 2 meters.
3. Length difference between the marker and the calculator: 2 inches.
4. Length difference between your height and your width: 2 feet.
5. Length difference between the length and the width of the playground: 2 yards.

Answer Sheet Measurement

Directions: Measure each real item using the unit as specified. Round your number. Fill the blanks.

Item	Measure
A: Crayon length	<u>9</u> cm.
B: Scissor length	<u>13</u> cm.
C: Blackboard length	<u>2</u> meters
D: Blackboard width	<u>1</u> meter
E: Marker length	<u>5</u> inches
F: Calculator length	<u>5</u> inches
G: Your Body height	<u>4</u> feet
H: Your Body width	<u>1</u> feet
I: Playground length	<u>9</u> yards
J: Playground width	<u>7</u> yards

1. Length difference between the crayon and the scissor: 4 cm.
2. Length difference between the length and the width of the blackboard: 1 meter.
3. Length difference between the marker and the calculator: 0 inches.
4. Length difference between your height and your width: 3 feet.
5. Length difference between the length and the width of the playground: 2 yards.

2.MD.4 Assessment

Directions: Drag the ruler to measure the each lantern picture. Round your number. Fill the blanks.

1 A's width is 2 cm.
B's width is 2 cm.
Their difference in width is 2 cm.
Which lantern is longer in width? A
A's width is 2 cm. 2 than B's.

2 C's height is 2 inches.
D's height is 2 inches.
Their difference in height is 2 inches.
Which lantern is shorter in height? C
C's height is 2 inches. 2 than D's.

Answer Sheet 2.MD.4 Assessment

Directions: Drag the ruler to measure the each lantern picture. Round your number. Fill the blanks.

1 A's width is 3 cm.
B's width is 8 cm.
Their difference in width is 5 cm.
Which lantern is shorter in width? A
A's width is 4 cm. 4 shorter than B's.

2 C's height is 2 inches.
D's height is 3 inches.
Their difference in height is 1 inches.
Which lantern is shorter in height? C
C's height is 2 inches. 1 shorter than D's.

PDF Version 2.MD.4

Second Grade Math Measurement



Introduction

1. All versions, PDF, Google Slides, and PPD share the same contents. However, there are slight wording changes to accommodate each version.
2. This product covers Common Core Standard 2.MD.4 in Measurement and Data.
3. There are 7 student work pages and 7 answer pages. Student work pages are provided in both ink and color while answer pages are only available in color.

Page 5-11: Student Work Sheets in Ink
Page 12-18: Student Work Sheets in Color
Page 19-25: Answer Sheets in Color

Table of Contents

1. Introduction to Length Difference in Measurement
2. Length Difference in Centimeters (1)
3. Length Difference in Centimeters (2)
4. Length Difference in Inches (1)
5. Length Difference in Inches (2)
6. Length Difference in Centimeters, Meters, Inches, Feet, and Yards
7. 2.MD.4 Assessment

Measurement

Directions: Compare the two key figures in length step by step. Fill the blanks.

What does it mean by comparing measurements in length?

1. Find the measurements of both key figures.
2. Find the measurement difference by subtraction.
3. Write your comparing statement.

Measurement

Directions: Use the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference in height is ____ cm.
A is ____ cm. shorter than B.
C is ____ cm. taller than D.

Measurement

Directions: Use the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference between A and B in height is ____ cm.
Difference between C and D in height is ____ cm.
Difference between A and E in height is ____ cm.
Difference between B and D in height is ____ cm.
Difference between E and A in height is ____ cm.
Difference between E and B in height is ____ cm.

Measurement

Directions: Use the ruler to measure the width of each mini building as shown below to the nearest inches. Fill the blanks.

Difference in width is ____ inches.
A is ____ inches. taller than B.
C is ____ inches. taller than D.

Measurement

Directions: Use the ruler to measure the length of each key transportation to the nearest in. Fill the blanks.

Difference between A and B in length is ____ in.
Difference between C and D in length is ____ in.
Difference between A and E in length is ____ in.
Difference between B and D in length is ____ in.
Difference between C and A in length is ____ in.
Difference between E and B in length is ____ in.

Measurement

Directions: Measure each real item using the unit as specified. Round your number. Fill the blanks.

Item	Measure
A. Crayon length	cm
B. Marker length	cm
C. Blackboard length	meters
D. Blackboard width	meters
E. Marker length	inches
F. Calculator length	inches
G. Your Body height	feet
H. Your Body width	feet
I. Playground length	yards
J. Playground width	yards

1. Length difference between the crayon and the marker ____ cm.
2. Length difference between the length and the width of the blackboard ____ meters.
3. Length difference between the marker and the calculator ____ inches.
4. Length difference between your height and your width ____ feet.
5. Length difference between the length and the width of the playground ____ yards.

2.MD.4 Assessment

Directions: Use the ruler to measure the height of each lantern picture. Round your number. Fill the blanks.

1. A lantern is ____ cm. wide.
B lantern is ____ cm. wide.
Their difference in width is ____ cm.
Which lantern is longer in width? ____
A lantern is ____ cm. longer than B lantern.

2. C lantern is ____ cm. high.
D lantern is ____ cm. high.
Their difference in height is ____ inches.
Which lantern is shorter in height? ____
C lantern is ____ inches taller than D lantern.

Measurement

Directions: Compare the two key figures in length step by step. Fill the blanks.

What does it mean by comparing measurements in length?

1. Find the measurements of both key figures.
2. Find the measurement difference by subtraction.
3. Write your comparing statement.

Rhino is ____ cm. shorter than Dino.
C is ____ cm. taller than D.

Measurement

Directions: Use the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference in height is ____ cm.
A is ____ cm. shorter than B.
C is ____ cm. taller than D.

Measurement

Directions: Use the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference between A and B in height is ____ cm.
Difference between C and D in height is ____ cm.
Difference between A and E in height is ____ cm.
Difference between B and D in height is ____ cm.
Difference between C and A in height is ____ cm.
Difference between E and B in height is ____ cm.

Measurement

Directions: Use the ruler to measure the width of each mini building as shown below to the nearest inches. Fill the blanks.

Difference in width is ____ inches.
A is ____ inches. taller than B.
C is ____ inches. taller than D.

Measurement

Directions: Use the ruler to measure the length of each key transportation to the nearest in. Fill the blanks.

Difference between A and B in length is ____ in.
Difference between C and D in length is ____ in.
Difference between A and E in length is ____ in.
Difference between B and D in length is ____ in.
Difference between C and A in length is ____ in.
Difference between E and B in length is ____ in.

Measurement

Directions: Measure each real item using the unit as specified. Round your number. Fill the blanks.

Item	Measure
A. Crayon length	cm
B. Marker length	cm
C. Blackboard length	meters
D. Blackboard width	meters
E. Marker length	inches
F. Calculator length	inches
G. Your Body height	feet
H. Your Body width	feet
I. Playground length	yards
J. Playground width	yards

1. Length difference between the crayon and the marker ____ cm.
2. Length difference between the length and the width of the blackboard ____ meters.
3. Length difference between the marker and the calculator ____ inches.
4. Length difference between your height and your width ____ feet.
5. Length difference between the length and the width of the playground ____ yards.

2.MD.4 Assessment

Directions: Use the ruler to measure the height of each lantern picture. Round your number. Fill the blanks.

1. A lantern is ____ cm. wide.
B lantern is ____ cm. wide.
Their difference in width is ____ cm.
Which lantern is longer in width? ____
A lantern is ____ cm. longer than B lantern.

2. C lantern is ____ cm. high.
D lantern is ____ cm. high.
Their difference in height is ____ inches.
Which lantern is shorter in height? ____
C lantern is ____ inches taller than D lantern.

Measurement

Directions: Compare the two key figures in length step by step. Fill the blanks.

What does it mean by comparing measurements in length?

1. Find the measurements of both key figures.
2. Find the measurement difference by subtraction.
3. Write your comparing statement.

Rhino is ____ cm. shorter than Dino.
C is ____ cm. taller than D.

Measurement

Directions: Use the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference in height is ____ cm.
A is ____ cm. shorter than B.
C is ____ cm. taller than D.

Answer Sheet

Measurement

Directions: Use the ruler to measure the height of each Halloween sticker to the nearest cm. Fill the blanks.

Difference between A and B in height is 4 cm.
Difference between C and D in height is 2 cm.
Difference between A and E in height is 6 cm.
Difference between B and D in height is 4 cm.
Difference between C and A in height is 2 cm.
Difference between E and B in height is 2 cm.

Answer Sheet

Measurement

Directions: Use the ruler to measure the width of each mini building as shown below to the nearest inches. Fill the blanks.

Difference in width is 2 inches.
A is 2 inches taller than B.
C is 2 inches taller than D.

Answer Sheet

Measurement

Directions: Use the ruler to measure the length of each key transportation to the nearest in. Fill the blanks.

Difference between A and B in length is 12 in.
Difference between C and D in length is 12 in.
Difference between A and E in length is 12 in.
Difference between B and D in length is 12 in.
Difference between C and A in length is 12 in.
Difference between E and B in length is 12 in.

Answer Sheet

Measurement

Directions: Measure each real item using the unit as specified. Round your number. Fill the blanks.

Item	Measure
A. Crayon length	9 cm
B. Marker length	10 cm
C. Blackboard length	2 meters
D. Blackboard width	2 meters
E. Marker length	5 inches
F. Calculator length	5 inches
G. Your Body height	4 feet
H. Your Body width	4 feet
I. Playground length	9 yards
J. Playground width	7 yards

1. Length difference between the crayon and the marker 1 cm.
2. Length difference between the length and the width of the blackboard 0 meters.
3. Length difference between the marker and the calculator 0 inches.
4. Length difference between your height and your width 0 feet.
5. Length difference between the length and the width of the playground 2 yards.

Answer Sheet

2.MD.4 Assessment

Directions: Use the ruler to measure the height of each lantern picture. Round your number. Fill the blanks.

1. A lantern is 3 cm. wide.
B lantern is 5 cm. wide.
Their difference in width is 2 cm.
Which lantern is longer in width? B
A lantern is 2 cm. shorter than B lantern.

2. C lantern is 2 inches. high.
D lantern is 3 inches. high.
Their difference in height is 1 inch.
Which lantern is shorter in height? C
C lantern is 1 inch shorter than D lantern.

Term of Use

Copyright @Qiang Ma
All rights reserved by the author.

Credits

I draw all the clipart myself for all the products in my store.

Qiang Ma 

Let children be engaged, challenged, and shine!

*Thank you
for using this lesson!*