

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.3 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. Benchmarks
2. Measuring the Object Using Benchmarks and Rulers (1)
3. Measuring the Object Using Benchmarks and Rulers (2)
4. Selecting the Appropriate Estimations
5. Measuring Actual Objects Using Benchmarks, Estimations, and Metric Units
6. Measuring Actual Objects Using Benchmarks, Estimations, and Customary Units
7. 2.MD.3 Assessment

Covers 2.MD.3 standard in Measurement and Data

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

Name: _____

Measurement

Directions: Write or draw at least one benchmark for each length unit.

Customary	Metric
Inch Width of a coin Length of a small paperclip Foot Length of a printer paper Height of a binder Yard Length of a baseball bat Width of a door	Centimeter Width of a pencil eraser Length of a paperclip Height of a door Meter Length of a hallway Height of a person Why would we want to use measurement benchmarks? A measurement benchmark is when you use a number that you already know to help you estimate something that you don't know.

Name: _____

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.



Crayon Box	Height	Width
Benchmark	8	6
Estimation in CM	8	6
Actual Centimeters	7	7
Benchmark	4	3
Estimation in inches	4	3
Actual inches	4	3



Name: _____

Measurement

Directions: Drag and drop a benchmark or the ruler to estimate the length of each object in real life.

Length of a goldfish 5 centimeters ✓ 5 meters	Width of a cabbage 6 centimeters ✓ 6 inches	Height of a monkey bar 5 feet ✓ 5 inches
Width of an artichoke 8 inches ✓ 8 feet	Length of a whale 80 inches ✓ 80 feet	Height of a 2nd grader 4 inches ✓ 4 feet
Width of a fan 1 foot ✓ 1 yard	Height of a crane 80 feet ✓ 80 yards	Height of a haunted house 60 inches ✓ 60 feet

Name: _____

Measurement

Directions: Estimate the length of each real item using a benchmark. Then measure the item using inches, feet or yards. Fill the blanks.

Item	Benchmark	Estimation	Actual Measure
Length of a pencil	pencil top eraser	8 inches	8 inches
Length of a book	floor tile	1 foot	1 foot
Length of an eraser	quarter	2 inches	2 inches
Length of a table	printer paper	4 feet	3 feet
Width of a table	printer paper	2 feet	2 feet
Height of a table	printer paper	3 feet	3 feet
Width of a window	printer height	3 feet	3 feet
Height of a window	binder height	4 feet	4 feet
Width of a door	door width	4 yards	4 yards
Length of a room	door width	4 yards	4 yards

Google Slides Version 2.MD.3

Second Grade Math Measurement



Table of Contents

- 1. Measuring the Object Using Benchmarks and Rulers (1)
- 2. Measuring the Object Using Benchmarks and Rulers (2)
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- 5. Measuring Actual Objects Using Benchmarks and Rulers (1)
- 6. Measuring Actual Objects Using Benchmarks and Rulers (2)
- 7. 2.MD.3 Assessment

Measurement

Directions: Write or draw at least one benchmark for each length unit.

Customary	Metric
Inch	Centimeter
Foot	Meter

Why would we want to use measurement benchmarks?

Measurement

Directions: Write or draw at least one benchmark for each length unit.

Customary	Metric
Inch	Centimeter
Foot	Meter

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Crayon Box

Benchmark	Height	Width
Estimation in CM		
Actual Centimeters		
Benchmark		
Estimation in inches		
Actual inches		

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Crayon Box

Benchmark	Height	Width
Estimation in CM	7	4
Actual Centimeters	8	5
Benchmark	3	2
Estimation in inches	3	2
Actual inches	3	2

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Crayon Box

Benchmark	Height	Width
Estimation in CM		
Actual Centimeters		
Benchmark		
Estimation in inches		
Actual inches		

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Crayon Box

Benchmark	Height	Width
Estimation in CM	8	6
Actual Centimeters	9	7
Benchmark	4	3
Estimation in inches	4	3
Actual inches	4	3

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Object	Estimation	Actual
Width of a cabbage	6 centimeters	6 centimeters
Length of a blue whale	80 feet	80 feet
Height of a house	4 inches	4 inches
Width of an artichoke	5 centimeters	5 centimeters
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Object	Estimation	Actual
Width of a cabbage	6 centimeters	6 centimeters
Length of a blue whale	80 feet	80 feet
Height of a house	4 inches	4 inches
Width of an artichoke	5 centimeters	5 centimeters
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Object	Estimation	Actual
Width of a cabbage	6 centimeters	6 centimeters
Length of a blue whale	80 feet	80 feet
Height of a house	4 inches	4 inches
Width of an artichoke	5 centimeters	5 centimeters
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Object	Estimation	Actual
Width of a cabbage	6 centimeters	6 centimeters
Length of a blue whale	80 feet	80 feet
Height of a house	4 inches	4 inches
Width of an artichoke	5 centimeters	5 centimeters
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Object	Estimation	Actual
Width of a cabbage	6 centimeters	6 centimeters
Length of a blue whale	80 feet	80 feet
Height of a house	4 inches	4 inches
Width of an artichoke	5 centimeters	5 centimeters
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

Measurement

Directions: Drag and drop the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.

Object	Estimation	Actual
Width of a cabbage	6 centimeters	6 centimeters
Length of a blue whale	80 feet	80 feet
Height of a house	4 inches	4 inches
Width of an artichoke	5 centimeters	5 centimeters
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

2.MD.3 Assessment

Directions: Estimate the length of each real item by measuring the item using inches, feet, or yards.

Item	Estimation	Actual
Length of a pencil	6 inches	6 inches
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

2.MD.3 Assessment

Directions: Estimate the length of each real item by measuring the item using inches, feet, or yards.

Item	Estimation	Actual
Length of a pencil	6 inches	6 inches
Length of a book	10 centimeters	10 centimeters
Width of a table	70 centimeters	70 centimeters
Height of a window	4 feet	4 feet
Width of a room	4 meters	4 meters

2.MD.3

Measurement

1. Benchmarks
2. Measuring the Object Using Benchmarks and Rules
3. Measuring the Object Using Benchmarks
4. Selecting the Appropriate Estimation Unit
5. Measuring Objects Using Benchmarks, Estimations, and Metric Units
6. Measuring Objects Using Benchmarks, Estimations, and Customary Units
7. Measurement

Name _____ Date _____

Measurement

Directions: Write or draw at least one benchmark for each length unit.

Customary	Metric
Inch	Centimeter
Foot	Meter
Yard	Why would you use this measurement?

1. All versions, PDF, Google Docs, and Microsoft Word share the same contents. However, there are slight changes to accommodate each version.

2. This product covers Common Core Math Standard 1.D.3 in Measurement and Geometry.

3. This product contains 17 student work pages and 17 answer keys. Student work pages are provided in both ink and color. Answer keys are only available in color.

4. This product includes Student Work Sheets in Ink and Color.

5. Pages 12-18: Student Work Sheets in Ink and Color.

6. Pages 19-25: Answer Sheets in Ink and Color.

Common Core

2.MD.3

Second Grade Math

Measurement

2.MD.3

Measurement

Directions: Measure the length of each real-world object using a benchmark. Then record your findings below, first in centimeters and then in inches.

	Benchmark	Estimation	Actual Measure
Length of a pencil			
Length of a book			
Length of an eraser			
Length of a table			
Width of a table			
Height of a table			
Width of a window			
Height of a window			
Width of a room			
Length of a room			

Measurement

Directions: Estimate the length of each row by using a benchmark. Write the benchmark in the first column. Then, measure the item using a centimeter and millimeter ruler. Write your number in the second column.

Item	Benchmark	Measurements
Length of a pencil	10 cm	
Length of a paper	25 cm	
Length of a ruler	15 cm	
Width of a book	10 cm	
Height of a book	15 cm	
Width of a box	10 cm	
Height of a box	15 cm	
Width of a room	10 m	
Length of a room	15 m	

Directions	Measurements
 Height of a pine cone	 Height of a flower
 Length of an ant	 Height of a flower
 Length of an ant	 Height of a flower
 Length of an ant	 Height of a flower
 Length of an ant	 Height of a flower
 Length of an ant	 Height of a flower
 Length of an ant	 Height of a flower
 Length of an ant	 Height of a flower

Directions: Use a ruler to measure the number. Fill the blanks.

Crayon Box	Height	Width
Handmark ☐		
Estimation in CM		
Actual Centimeters		
Handmark ☐		
Estimation in inches		
Actual inches		

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

Measurement

Directions: Cut and use the benchmarks and the ruler to measure the object to the nearest whole number. Fill the blanks.



Crayon Box	Height	Width
Benchmark 		
Estimation in CM		
Actual Centimeters		
Benchmark 		
Estimation in inches		
Actual inches		



Measurement

Directions: Draw a check mark on the appropriate estimate of each object to test if you are measuring in the correct unit.

 length of a goldfish 1 centimeter 1 meter	 4 combinations 4 inches 4 kilometers
 width of a pencil 1 centimeter 1 meter	 width of a blue wheel 1 centimeter 1 inch 1 foot 1 meter
 height of a basketball hoop 60 feet 60 yards	 height of a basketball house 60 inches 60 feet

Measurement

Directions: Cut out the shapes and use the ruler to measure the length of the objects. Record the measurements in the table.

Object	Length	Width
House 1		
House 2		
House 3		
House 4		
House 5		
House 6		
House 7		
House 8		
House 9		
House 10		
House 11		
House 12		
House 13		
House 14		
House 15		
House 16		
House 17		
House 18		
House 19		
House 20		
House 21		
House 22		
House 23		
House 24		
House 25		
House 26		
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House 79		
House 80		
House 81		
House 82		
House 83		
House 84		
House 85		
House 86		
House 87		
House 88		
House 89		
House 90		
House 91		
House 92		
House 93		
House 94		
House 95		
House 96		
House 97		
House 98		
House 99		
House 100		

Measurement					
Directions: Write one benchmark for each length unit.					
Unit	Metric				
Centimeter					
Foot					

[illegible]

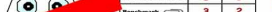
Answer Sheet

Measurement

Directions: Cut and use the benchmarks and the ruler to measure the object to the right of the ruler.




Object	Height	Width
Crayon 	7	4
Eraser 	7	4
Actual Crayon 	8	5
Benchmark 	3	2
Estimation to inches 	3	2
Actual inches 	3	2

Customary		Metric	
Inch Width of a quarter page One length of a small paper strip		Centimeter Width of a pencil tip eraser One base ten block	
Foot Length of a printer paper Height of a binder	 	Meter A bit more than the width of a door	
Yard Length of a baseball bat Width of a door	 	Why would we want to use measurement benchmarks? A measurement benchmark helps you use a number to help you estimate.	 

2.MD.3 Assessment

Show a check mark on the appropriate estimation.

1. Estimate the length of your real bed.



6 inches 6 feet 6 meters

2. Estimate the length of a real bee.



3 centimeters 3 meters 3 yards

3. Each paperclip is 1 inch long. What is the best estimate for the length of the fish below?




4. Each base ten block is a centimeter long. How many base ten blocks would you need to slide below?




_____ centimeters _____ estimators

Measurement

Directions: Estimate the length of each real item by using a benchmark. Then measure the item using inches, feet, or yards. Record your number. Fill the blank.

Item	Estimation	Actual Measure
Length of a pencil 		
Length of a book 		
Length of an eraser 		
Length of a ruler 		
Length of a table 		
Length of a chair 		
Length of a window 		
Width of a door 		
Width of a desk 		
Length of a hallway 		

Measurement

Directions: Estimate the length of each real item by using a benchmark. Then, measure the item using centimeters and meters. Record your numbers. Fill the blank.

Item	Benchmark	Estimation	Actual Measure
Length of a pencil 			
Length of a book 			
Length of an eraser 			
Length of a table 			
Width of a table 			
Height of a table 			
Width of a window 			
Height of a window 			
Width of a room 			
Length of a room 			

2.MD.3 Assessment

Directions: Draw a check mark next to the appropriate answer.

(1) Estimate the length of your real bed.

6 inches 6 feet 6 meters

(2) Estimate the length of your pencil.

6 inches 6 feet 6 meters

(3) Each paperclip is about 1 inch long. How many paperclips are there in the string below?

10 100 1000

(4) A ruler is shown below. What is the length of the object in centimeters?

5 centimeters 6 centimeters

Measure the items and write the length in inches.		Everyday Objects	Actual Measure
		paper	8 inches
		floor tile	1 foot
		quarter	2 inches
		printer paper	3 feet
		printer paper	4 feet
		printer paper	4 feet
		binder height	3 feet
		binder height	4 feet
		door width	4 yards
		door width	4 yards

Measurement

Estimate the length of each item by using a benchmark. Round your answer. Fill the blank.

Item	Benchmark	Estimation	Actual Measure
Length of a pencil 	base ten block	20 cm	15 cm
Length of a book 	ruler	30 cm	25 cm
Length of an eraser 	pencil tip eraser	8 cm	5 cm
Length of a table 	ruler	105 cm	100 cm
Width of a table 	ruler	70 cm	68 cm
Height of a table 	ruler	75 cm	72 cm
Width of a window 	ruler	80 cm	85 cm
Height of a window 	ruler	110 cm	115 cm
Width of a room 	door width	4 meters	4 meters
Width of a room 	door width	4 meters	4 meters

Answer Sheet

Measurements

Directions: Draw a object works on the appropriate unit of measurement. Write the unit of measurement.

 Length of a gnat's leg 1 foot	 Weight of an apple 1 pound	 Length of a pencil 6 inches	 Height of a crane 60 yards
 Weight of an apple 1 pound	 Length of a pencil 6 inches	 Height of a basketball player 6 feet	 Height of a basketball player 6 feet

Assessment **How** **to** **Measure**

Use the ruler to measure the length of the object. Fill in the blanks:

Object	Length	Width
Benchmark	8	6
Estimation in CM	8	6
Actual Centimeters	9	7
Benchmark 	4	3
Estimation in inches	4	3
Actual inches	4	3

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

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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!*