

Name _____

Date _____

Identifying Equivalent Measurements: Metric System

Millimeters, Centimeters, and Meters

In this worksheet, we will practice identifying equivalent measurements between units in the metric system. Specifically, we will be working with millimeters, centimeters, and meters. Refer to the table below when solving the problems on this worksheet.

1 centimeter=	10 millimeters	Example: 200 millimeters = ____ centimeters 200 millimeters / 10 (millimeters in a centimeter) = 20 centimeters
1 meter=	100 centimeters	

Exercise Questions:

1. 2 meters

= ____ centimeters

6. Fill in the table below.

Millimeters	Centimeters	Meters
		15

2. 25 centimeters

= ____ millimeters

7. Kendall is measuring different leaves she found on the playground. The magnolia leaf is 15 centimeters long. The maple leaf is 100 millimeters.

How long is the magnolia leaf in millimeters? _____

Which leaf is longer? _____

3. 1 meter

= ____ millimeters

8. Cole is measuring his pet hamsters. Snowball measures 8 centimeters, Peewee measures 60 millimeters, and Popcorn measures 7 centimeters.

How many centimeters long is Peewee? _____

4. 250 millimeters

= ____ centimeters

List the hamsters in size order, smallest to largest:

5. 10,000 millimeters

= ____ meters



Answer Key

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1 centimeter=	10 millimeters	Example: 200 millimeters = ____ centimeters 200 millimeters / 10 (millimeters in a centimeter) = 20 centimeters
1 meter=	100 centimeters	

Exercise Questions:

1. 2 meters

= 200 centimeters

2. 25 centimeters

= 250 millimeters

3. 1 meter

= 1000 millimeters

4. 250 millimeters

= 25 centimeters

5. 10,000 millimeters

= 10 meters

6. Fill in the table below.

Millimeters	Centimeters	Meters
15000	1500	15

7. Kendall is measuring different leaves she found on the playground. The magnolia leaf is 15 centimeters long. The maple leaf is 100 millimeters.

How long is the magnolia leaf in millimeters? 150

Which leaf is longer? The magnolia leaf

8. Cole is measuring his pet hamsters. Snowball measures 8 centimeters, Peewee measures 60 millimeters, and Popcorn measures 7 centimeters.

How many centimeters long is Peewee? 6

List the hamsters in size order, smallest to largest:

Peewee, Popcorn, and Snowball

