

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

Instructor: Kathryn Maloney  
Course: MA097 Pre-Algebra Spring 2021  
MW

Assignment: Graded test: Show Me The  
Money - Measurement

1. Complete the chart.

Fraction	Decimal	Percent
	0.19	

Complete the chart below.

Fraction	Decimal	Percent
	0.19	%

(Simplify your answers.)

2. Complete the chart. Round decimals to the nearest thousandth and percents to the nearest tenth if necessary.

Fraction	Decimal	Percent
$\frac{5}{6}$		

Fraction	Decimal	Percent
$\frac{5}{6}$		%

3. Complete the chart. Round decimals to the nearest thousandth and percents to the nearest tenth if necessary.

Fraction	Decimal	Percent
$\frac{37}{50}$		

Fraction	Decimal	Percent
$\frac{37}{50}$		%

4. Use unit fractions to convert this measurement.

3 m to cm

3 m = \_\_\_\_\_ cm

5. Convert the measurement. Use unit fractions or the metric conversion line.

10 mL to L

10 mL = \_\_\_\_\_ L (Type a whole number or a decimal.)

6. Make an approximate conversion from metric to English.

77 m to feet

77 m  $\approx$  \_\_\_\_\_ ft  
(Round to the nearest tenth.)

1 mile  $\approx$  1.61 kilometers  
1 meter  $\approx$  3.28 feet

7. Use unit fractions to convert.

2 lb = \_\_\_\_\_ oz

2 lb = \_\_\_\_\_ oz

8. Convert the following measurement. Use unit fractions or the metric conversion line.

3.9 km to m

3.9 km = \_\_\_\_\_ m

9. Use unit fractions to convert this measurement.

900 mm to cm

900 mm = \_\_\_\_\_ cm

10. Convert the measurement. Use unit fractions or the metric conversion line.

10 mL to L

10 mL = \_\_\_\_\_ L (Type a whole number or a decimal.)

11. Make an approximate conversion from English to metric.

14 ft to meters

1 mile  $\approx$  1.61 kilometers  
1 kilometer  $\approx$  0.62 mile  
1 meter  $\approx$  3.28 feet  
1 inch  $\approx$  2.54 centimeters

14 ft  $\approx$  \_\_\_\_\_ m. (Round to the nearest tenth as needed.)

12. Make an approximate conversion from metric to English.

187 g to ounces

1 pound  $\approx$  0.45 kilograms  
1 gram  $\approx$  0.035 ounce  
1 gallon  $\approx$  3.79 liters  
1 liter  $\approx$  1.06 quarts

187 g  $\approx$  \_\_\_\_\_ oz.  
(Round to the nearest tenth.)

13. A company used 7 g of pure gold to coat a pair of shoes.

How many ounces of gold were used?

1 pound  $\approx$  0.45 kilograms  
1 gram  $\approx$  0.035 ounce  
1 gallon  $\approx$  3.79 liters  
1 liter  $\approx$  1.06 quarts

The company used about \_\_\_\_\_ oz of pure gold.  
(Round to the nearest tenth.)

14. Complete the chart. Round decimals to the nearest thousandth and percents to the nearest tenth if necessary.

Fraction	Decimal	Percent
$\frac{1}{11}$		

Fraction	Decimal	Percent
$\frac{1}{11}$		_____%

1.  $\frac{19}{100}$   
19

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2. 0.833  
83.3

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3. 0.740  
74.0

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4. 300

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5. 0.01

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6. 252.6

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7. 32

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8. 3900

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9. 90

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10. 0.01

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11. 4.3

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12. 6.5

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13. 0.2

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14. 0.091  
9.1

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