Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 4 of 10

1 km = 1,000 m | 1 m = 100 cm = 1,000 mm | 1 cm = 10 mm | 1 kg = 1,000 g | 1 L = 1,000 mL. To convert to a smaller unit, multiply. To convert to a larger unit, divide.

Part A: Convert to the smaller unit.

1. 9.11 kilograms = _____ grams
2. 9.4 meters = _____ millimeters
3. 1.77 kilometers = _____ meters
4. 4.8 centimeters = _____ millimeters
5. 0.03 meters = _____ millimeters
6. 4.14 meters = _____ millimeters
7. 9.93 meters = _____ centimeters
8. 6.1 liters = _____ milliliters

Part B: Convert to the larger unit. Write your answer as a decimal.

9. 1,181 centimeters = _____ meters
10. 1,062 centimeters = _____ meters
11. 1,955 centimeters = _____ meters
12. 1,620 centimeters = _____ meters
13. 18,661 grams = _____ kilograms
14. 2,314 milliliters = _____ liters
15. 3,726 milliliters = _____ liters
16. 1,733 centimeters = _____ meters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 4 of 10

1 km = 1,000 m | 1 m = 100 cm = 1,000 mm | 1 cm = 10 mm | 1 kg = 1,000 g | 1 L = 1,000 mL. To convert to a smaller unit, multiply. To convert to a larger unit, divide.

Part A: Convert to the smaller unit.

1. 9.11 kilograms = **9,110** grams
2. 9.4 meters = **9,400** millimeters
3. 1.77 kilometers = **1,770** meters
4. 4.8 centimeters = **48** millimeters
5. 0.03 meters = **30** millimeters
6. 4.14 meters = **4,140** millimeters
7. 9.93 meters = **993** centimeters
8. 6.1 liters = **6,100** milliliters

Part B: Convert to the larger unit. Write your answer as a decimal.

9. 1,181 centimeters = **11.81** meters
10. 1,062 centimeters = **10.62** meters
11. 1,955 centimeters = **19.55** meters
12. 1,620 centimeters = **16.2** meters
13. 18,661 grams = **18.661** kilograms
14. 2,314 milliliters = **2.314** liters
15. 3,726 milliliters = **3.726** liters
16. 1,733 centimeters = **17.33** meters