Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 8 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. 9.91 kilometers = _____ meters
2. 3.9 centimeters = _____ millimeters
3. 2.17 kilograms = _____ grams
4. 2.9 meters = _____ centimeters
5. 5.6 centimeters = _____ millimeters
6. 0.6 kilometers = _____ meters
7. 6.5 meters = _____ centimeters
8. 7.3 kilograms = _____ grams

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

9. 13,402 milliliters = _____ liters
10. 1,727 centimeters = _____ meters
11. 159 millimeters = _____ centimeters
12. 12,698 grams = _____ kilograms
13. 19,788 milliliters = _____ liters
14. 14,097 milliliters = _____ liters
15. 16,897 meters = _____ kilometers
16. 8,916 milliliters = _____ liters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 8 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. 9.91 kilometers = **9,910** meters
2. 3.9 centimeters = **39** millimeters
3. 2.17 kilograms = **2,170** grams
4. 2.9 meters = **290** centimeters
5. 5.6 centimeters = **56** millimeters
6. 0.6 kilometers = **600** meters
7. 6.5 meters = **650** centimeters
8. 7.3 kilograms = **7,300** grams

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

9. 13,402 milliliters = **13.402** liters
10. 1,727 centimeters = **17.27** meters
11. 159 millimeters = **15.9** centimeters
12. 12,698 grams = **12.698** kilograms
13. 19,788 milliliters = **19.788** liters
14. 14,097 milliliters = **14.097** liters
15. 16,897 meters = **16.897** kilometers
16. 8,916 milliliters = **8.916** liters