Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 1 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. 4.9 kilograms = _____ grams
2. 8.8 liters = _____ milliliters
3. 1.3 kilometers = _____ meters
4. 2.6 meters = _____ centimeters
5. 0.2 centimeters = _____ millimeters
6. 2.1 kilograms = _____ grams
7. 7.1 centimeters = _____ millimeters
8. 9.1 kilometers = _____ meters

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

9. 7,117 meters = _____ kilometers
10. 8,279 millimeters = _____ meters
11. 3,552 grams = _____ kilograms
12. 306 centimeters = _____ meters
13. 899 centimeters = _____ meters
14. 10,500 millimeters = _____ meters
15. 136 millimeters = _____ centimeters
16. 5,644 grams = _____ kilograms

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 1 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. 4.9 kilograms = **4,900** grams
2. 8.8 liters = **8,800** milliliters
3. 1.3 kilometers = **1,300** meters
4. 2.6 meters = **260** centimeters
5. 0.2 centimeters = **2** millimeters
6. 2.1 kilograms = **2,100** grams
7. 7.1 centimeters = **71** millimeters
8. 9.1 kilometers = **9,100** meters

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

9. 7,117 meters = **7.117** kilometers
10. 8,279 millimeters = **8.279** meters
11. 3,552 grams = **3.552** kilograms
12. 306 centimeters = **3.06** meters
13. 899 centimeters = **8.99** meters
14. 10,500 millimeters = **10.5** meters
15. 136 millimeters = **13.6** centimeters
16. 5,644 grams = **5.644** kilograms