Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 6 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. 5.1 meters = _____ millimeters
2. 8.06 liters = _____ milliliters
3. 0.6 centimeters = _____ millimeters
4. 5.97 kilometers = _____ meters
5. 2.73 kilograms = _____ grams
6. 8.3 centimeters = _____ millimeters
7. 3.4 kilometers = _____ meters
8. 2.1 meters = _____ centimeters

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

9. 11,827 grams = _____ kilograms
10. 5,835 milliliters = _____ liters
11. 14,449 meters = _____ kilometers
12. 17,379 millimeters = _____ meters
13. 153 millimeters = _____ centimeters
14. 129 millimeters = _____ centimeters
15. 498 meters = _____ kilometers
16. 916 meters = _____ kilometers

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 6 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. 5.1 meters = **5,100** millimeters
2. 8.06 liters = **8,060** milliliters
3. 0.6 centimeters = **6** millimeters
4. 5.97 kilometers = **5,970** meters
5. 2.73 kilograms = **2,730** grams
6. 8.3 centimeters = **83** millimeters
7. 3.4 kilometers = **3,400** meters
8. 2.1 meters = **210** centimeters

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

9. 11,827 grams = **11.827** kilograms
10. 5,835 milliliters = **5.835** liters
11. 14,449 meters = **14.449** kilometers
12. 17,379 millimeters = **17.379** meters
13. 153 millimeters = **15.3** centimeters
14. 129 millimeters = **12.9** centimeters
15. 498 meters = **0.498** kilometers
16. 916 meters = **0.916** kilometers