Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 7 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. 4.1 kilometers = _____ meters
2. 3.79 kilometers = _____ meters
3. 0.1 kilometers = _____ meters
4. 0.4 kilometers = _____ meters
5. 4.4 kilometers = _____ meters
6. 4.31 kilograms = _____ grams
7. 9.56 meters = _____ centimeters
8. 8.13 kilograms = _____ grams

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

9. 14,982 grams = _____ kilograms
10. 4,136 milliliters = _____ liters
11. 2,319 milliliters = _____ liters
12. 1,965 centimeters = _____ meters
13. 1,537 centimeters = _____ meters
14. 6,503 milliliters = _____ liters
15. 17,567 meters = _____ kilometers
16. 79 millimeters = _____ centimeters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 7 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. 4.1 kilometers = **4,100** meters
2. 3.79 kilometers = **3,790** meters
3. 0.1 kilometers = **100** meters
4. 0.4 kilometers = **400** meters
5. 4.4 kilometers = **4,400** meters
6. 4.31 kilograms = **4,310** grams
7. 9.56 meters = **956** centimeters
8. 8.13 kilograms = **8,130** grams

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

9. 14,982 grams = **14.982** kilograms
10. 4,136 milliliters = **4.136** liters
11. 2,319 milliliters = **2.319** liters
12. 1,965 centimeters = **19.65** meters
13. 1,537 centimeters = **15.37** meters
14. 6,503 milliliters = **6.503** liters
15. 17,567 meters = **17.567** kilometers
16. 79 millimeters = **7.9** centimeters