Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 3 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. 3.3 kilograms = _____ grams
2. 6.6 centimeters = _____ millimeters
3. 3.7 kilometers = _____ meters
4. 5.7 kilograms = _____ grams
5. 8.55 meters = _____ centimeters
6. 5.8 meters = _____ millimeters
7. 1.8 centimeters = _____ millimeters
8. 0.43 meters = _____ millimeters

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

9. 16,890 millimeters = _____ meters
10. 15,846 meters = _____ kilometers
11. 1,682 centimeters = _____ meters
12. 6,226 grams = _____ kilograms
13. 14,491 milliliters = _____ liters
14. 122 centimeters = _____ meters
15. 17,808 grams = _____ kilograms
16. 6,463 millimeters = _____ meters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 3 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. 3.3 kilograms = **3,300** grams
2. 6.6 centimeters = **66** millimeters
3. 3.7 kilometers = **3,700** meters
4. 5.7 kilograms = **5,700** grams
5. 8.55 meters = **855** centimeters
6. 5.8 meters = **5,800** millimeters
7. 1.8 centimeters = **18** millimeters
8. 0.43 meters = **430** millimeters

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

9. 16,890 millimeters = **16.89** meters
10. 15,846 meters = **15.846** kilometers
11. 1,682 centimeters = **16.82** meters
12. 6,226 grams = **6.226** kilograms
13. 14,491 milliliters = **14.491** liters
14. 122 centimeters = **1.22** meters
15. 17,808 grams = **17.808** kilograms
16. 6,463 millimeters = **6.463** meters