Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 9 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. 2.35 liters = _____ milliliters
2. 3.44 meters = _____ millimeters
3. 7.2 meters = _____ centimeters
4. 9.24 meters = _____ centimeters
5. 5.7 liters = _____ milliliters
6. 3.4 kilograms = _____ grams
7. 2.24 liters = _____ milliliters
8. 0.4 meters = _____ millimeters

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

9. 15,213 milliliters = _____ liters
10. 25 millimeters = _____ centimeters
11. 1,037 centimeters = _____ meters
12. 467 centimeters = _____ meters
13. 154 millimeters = _____ centimeters
14. 1,966 milliliters = _____ liters
15. 9,859 milliliters = _____ liters
16. 3,418 meters = _____ kilometers

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 9 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. 2.35 liters = **2,350** milliliters
2. 3.44 meters = **3,440** millimeters
3. 7.2 meters = **720** centimeters
4. 9.24 meters = **924** centimeters
5. 5.7 liters = **5,700** milliliters
6. 3.4 kilograms = **3,400** grams
7. 2.24 liters = **2,240** milliliters
8. 0.4 meters = **400** millimeters

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

9. 15,213 milliliters = **15.213** liters
10. 25 millimeters = **2.5** centimeters
11. 1,037 centimeters = **10.37** meters
12. 467 centimeters = **4.67** meters
13. 154 millimeters = **15.4** centimeters
14. 1,966 milliliters = **1.966** liters
15. 9,859 milliliters = **9.859** liters
16. 3,418 meters = **3.418** kilometers