Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 10 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. 9.98 meters = _____ centimeters
2. 0.5 centimeters = _____ millimeters
3. 7.8 meters = _____ centimeters
4. 1.9 centimeters = _____ millimeters
5. 8.71 kilometers = _____ meters
6. 9.82 kilometers = _____ meters
7. 3.95 kilometers = _____ meters
8. 4.73 meters = _____ centimeters

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

9. 3,909 grams = _____ kilograms
10. 15,211 millimeters = _____ meters
11. 11,807 meters = _____ kilometers
12. 17,010 grams = _____ kilograms
13. 105 millimeters = _____ centimeters
14. 272 grams = _____ kilograms
15. 18,597 grams = _____ kilograms
16. 109 millimeters = _____ centimeters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 10 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. 9.98 meters = **998** centimeters
2. 0.5 centimeters = **5** millimeters
3. 7.8 meters = **780** centimeters
4. 1.9 centimeters = **19** millimeters
5. 8.71 kilometers = **8,710** meters
6. 9.82 kilometers = **9,820** meters
7. 3.95 kilometers = **3,950** meters
8. 4.73 meters = **473** centimeters

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

9. 3,909 grams = **3.909** kilograms
10. 15,211 millimeters = **15.211** meters
11. 11,807 meters = **11.807** kilometers
12. 17,010 grams = **17.01** kilograms
13. 105 millimeters = **10.5** centimeters
14. 272 grams = **0.272** kilograms
15. 18,597 grams = **18.597** kilograms
16. 109 millimeters = **10.9** centimeters