Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 5 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. 0.23 kilometers = _____ meters
2. 5.14 meters = _____ millimeters
3. 9.4 liters = _____ milliliters
4. 2.36 meters = _____ centimeters
5. 8.43 meters = _____ centimeters
6. 5.5 kilometers = _____ meters
7. 5.1 meters = _____ centimeters
8. 3.88 kilometers = _____ meters

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

9. 4,476 millimeters = _____ meters
10. 17,636 grams = _____ kilograms
11. 5,668 milliliters = _____ liters
12. 2,059 millimeters = _____ meters
13. 5,233 milliliters = _____ liters
14. 193 millimeters = _____ centimeters
15. 15,842 meters = _____ kilometers
16. 98 millimeters = _____ centimeters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 5 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. 0.23 kilometers = **230** meters
2. 5.14 meters = **5,140** millimeters
3. 9.4 liters = **9,400** milliliters
4. 2.36 meters = **236** centimeters
5. 8.43 meters = **843** centimeters
6. 5.5 kilometers = **5,500** meters
7. 5.1 meters = **510** centimeters
8. 3.88 kilometers = **3,880** meters

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

9. 4,476 millimeters = **4.476** meters
10. 17,636 grams = **17.636** kilograms
11. 5,668 milliliters = **5.668** liters
12. 2,059 millimeters = **2.059** meters
13. 5,233 milliliters = **5.233** liters
14. 193 millimeters = **19.3** centimeters
15. 15,842 meters = **15.842** kilometers
16. 98 millimeters = **9.8** centimeters