Name: _____ Date: _____

Converting Metric Units With Decimals

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 2 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. 0.07 kilograms = _____ grams
2. 9.1 meters = _____ centimeters
3. 3.3 centimeters = _____ millimeters
4. 8.2 meters = _____ millimeters
5. 5.21 kilometers = _____ meters
6. 8.68 kilometers = _____ meters
7. 9.6 centimeters = _____ millimeters
8. 5.6 meters = _____ centimeters

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

9. 1,967 centimeters = _____ meters
10. 14,117 meters = _____ kilometers
11. 3,330 meters = _____ kilometers
12. 15,598 millimeters = _____ meters
13. 5,309 millimeters = _____ meters
14. 12,023 millimeters = _____ meters
15. 48 millimeters = _____ centimeters
16. 18,415 meters = _____ kilometers

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 2 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. 0.07 kilograms = **70** grams
2. 9.1 meters = **910** centimeters
3. 3.3 centimeters = **33** millimeters
4. 8.2 meters = **8,200** millimeters
5. 5.21 kilometers = **5,210** meters
6. 8.68 kilometers = **8,680** meters
7. 9.6 centimeters = **96** millimeters
8. 5.6 meters = **560** centimeters

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

9. 1,967 centimeters = **19.67** meters
10. 14,117 meters = **14.117** kilometers
11. 3,330 meters = **3.33** kilometers
12. 15,598 millimeters = **15.598** meters
13. 5,309 millimeters = **5.309** meters
14. 12,023 millimeters = **12.023** meters
15. 48 millimeters = **4.8** centimeters
16. 18,415 meters = **18.415** kilometers