Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 1 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. 4.9 kilograms = **4,900** grams
2. 8.8 liters = **8,800** milliliters
3. 1.3 kilometers = **1,300** meters
4. 2.6 meters = **260** centimeters
5. 0.2 centimeters = **2** millimeters
6. 2.1 kilograms = **2,100** grams
7. 7.1 centimeters = **71** millimeters
8. 9.1 kilometers = **9,100** meters

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

9. 7,117 meters = **7.117** kilometers
10. 8,279 millimeters = **8.279** meters
11. 3,552 grams = **3.552** kilograms
12. 306 centimeters = **3.06** meters
13. 899 centimeters = **8.99** meters
14. 10,500 millimeters = **10.5** meters
15. 136 millimeters = **13.6** centimeters
16. 5,644 grams = **5.644** kilograms

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

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

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 4 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. 9.11 kilograms = **9,110** grams
2. 9.4 meters = **9,400** millimeters
3. 1.77 kilometers = **1,770** meters
4. 4.8 centimeters = **48** millimeters
5. 0.03 meters = **30** millimeters
6. 4.14 meters = **4,140** millimeters
7. 9.93 meters = **993** centimeters
8. 6.1 liters = **6,100** milliliters

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

9. 1,181 centimeters = **11.81** meters
10. 1,062 centimeters = **10.62** meters
11. 1,955 centimeters = **19.55** meters
12. 1,620 centimeters = **16.2** meters
13. 18,661 grams = **18.661** kilograms
14. 2,314 milliliters = **2.314** liters
15. 3,726 milliliters = **3.726** liters
16. 1,733 centimeters = **17.33** meters

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

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 6 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. 5.1 meters = **5,100** millimeters
2. 8.06 liters = **8,060** milliliters
3. 0.6 centimeters = **6** millimeters
4. 5.97 kilometers = **5,970** meters
5. 2.73 kilograms = **2,730** grams
6. 8.3 centimeters = **83** millimeters
7. 3.4 kilometers = **3,400** meters
8. 2.1 meters = **210** centimeters

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

9. 11,827 grams = **11.827** kilograms
10. 5,835 milliliters = **5.835** liters
11. 14,449 meters = **14.449** kilometers
12. 17,379 millimeters = **17.379** meters
13. 153 millimeters = **15.3** centimeters
14. 129 millimeters = **12.9** centimeters
15. 498 meters = **0.498** kilometers
16. 916 meters = **0.916** kilometers

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 7 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. 4.1 kilometers = **4,100** meters
2. 3.79 kilometers = **3,790** meters
3. 0.1 kilometers = **100** meters
4. 0.4 kilometers = **400** meters
5. 4.4 kilometers = **4,400** meters
6. 4.31 kilograms = **4,310** grams
7. 9.56 meters = **956** centimeters
8. 8.13 kilograms = **8,130** grams

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

9. 14,982 grams = **14.982** kilograms
10. 4,136 milliliters = **4.136** liters
11. 2,319 milliliters = **2.319** liters
12. 1,965 centimeters = **19.65** meters
13. 1,537 centimeters = **15.37** meters
14. 6,503 milliliters = **6.503** liters
15. 17,567 meters = **17.567** kilometers
16. 79 millimeters = **7.9** centimeters

Converting Metric Units With Decimals - ANSWER KEY

Grade 5 | Converting metric length, mass and capacity units, including decimals | Version 8 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. 9.91 kilometers = **9,910** meters
2. 3.9 centimeters = **39** millimeters
3. 2.17 kilograms = **2,170** grams
4. 2.9 meters = **290** centimeters
5. 5.6 centimeters = **56** millimeters
6. 0.6 kilometers = **600** meters
7. 6.5 meters = **650** centimeters
8. 7.3 kilograms = **7,300** grams

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

9. 13,402 milliliters = **13.402** liters
10. 1,727 centimeters = **17.27** meters
11. 159 millimeters = **15.9** centimeters
12. 12,698 grams = **12.698** kilograms
13. 19,788 milliliters = **19.788** liters
14. 14,097 milliliters = **14.097** liters
15. 16,897 meters = **16.897** kilometers
16. 8,916 milliliters = **8.916** liters

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

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