

Conversion Challenge

Write the correct abbreviation for each metric unit.

1) Kilogram _____

4) Milliliter _____

7) Kilometer _____

2) Meter _____

5) Millimeter _____

8) Centimeter _____

3) Gram _____

6) Liter _____

9) Milligram _____

Try these conversions, using the ladder method.

1) 2000 mg = _____ g

6) 5 L = _____ mL

11) 16 cm = _____ mm

2) 104 km = _____ m

7) 198 g = _____ kg

12) 2500 m = _____ km

3) 480 cm = _____ m

8) 75 mL = _____ L

13) 65 g = _____ mg

4) 5.6 kg = _____ g

9) 50 cm = _____ m

14) 6.3 cm = _____ mm

5) 8 mm = _____ cm

10) 5.6 m = _____ cm

15) 120 mg = _____ g

Compare using <, >, or =.

16) 63 cm ○ 6 m

17) 5 g ○ 508 mg

18) 1,500 mL ○ 1.5 L

19) 536 cm ○ 53.6 dm

20) 43 mg ○ 5 g

21) 3.6 m ○ 36 cm

Converting Metric Units (A)

Convert each measurement to the unit indicated.

64,600,000 cm to km

425,000 mL to L

0.000238 m to cm

6.81 cm to m

0.00817 km to cm

14,700 cm to m

0.0079 cm to mm

0.00738 L to mL

0.0000000332 km to mm

60,800 cm to m

736,000,000 mm to km

800 cm to m

0.21 km to m

0.703 km to m

2.7 m to km

0.000895 m to cm

0.00928 m to mm

0.00161 cm to mm

6,310 cm to km

3.64 cm to mm

Conversion Challenge

Write the correct abbreviation for each metric unit.

1) Kilogram kg

4) Milliliter mL

7) Kilometer km

2) Meter m

5) Millimeter mm

8) Centimeter cm

3) Gram g

6) Liter L

9) Milligram mg

Try these conversions, using the ladder method.

1) 2000 mg = 2 g

6) 5 L = 5000 mL

11) 16 cm = 160 mm

2) 104 km = 104000 m

7) 198 g = 0.198 kg

12) 2500 m = 2.5 km

3) 480 cm = 4.8 m

8) 75 mL = 0.075 L

13) 65 g = 65000 mg

4) 5.6 kg = 5600 g

9) 50 cm = 0.50 m

14) 6.3 cm = 63 mm

5) 8 mm = 0.8 cm

10) 5.6 m = 560 cm

15) 120 mg = 0.120 g

Compare using $<$, $>$, or $=$.

16) 63 cm $<$ 6 m

17) 5 g $>$ 508 mg

18) 1,500 mL $=$ 1.5 L

19) 536 cm $=$ 53.6 dm

20) 43 mg $<$ 5 g

21) 3.6 m $>$ 36 cm

Converting Metric Units (A)

Convert each measurement to the unit indicated.

64,600,000 cm to km

646

425,000 mL to L

425

0.000238 m to cm

0.0238

6.81 cm to m

0.0681

0.00817 km to cm

817

14,700 cm to m

147

0.0079 cm to mm

0.079

0.00738 L to mL

7.38

0.0000000332 km to mm

0.0332

60,800 cm to m

608

736,000,000 mm to km

736

800 cm to m

8.00

0.21 km to m

210

0.703 km to m

703

2.7 m to km

0.0027

0.000895 m to cm

0.0895

0.00928 m to mm

9.28

0.00161 cm to mm

0.0161

6,310 cm to km

0.0631

3.64 cm to mm

36.4