Name

Reteaching

16-2

Converting Metric Measures

Changing from one metric unit to another:

To change from a larger unit to a smaller unit, multiply by a power of ten.

3.8 L = ____ mL

A liter is a larger unit than a milliliter. To change from liters to milliliters, multiply.

1 L = 1,000 mL	kilometers, divide.
$3.8 \times 1,000 = 3,800$	1,000 m = 1 km
3.8 L = 3.800 mL	$100 \div 1000 = 0.1$
	100 m = 0.1 km

To change from a smaller unit to a larger unit, divide by a power of ten.

100 m = km

The meter is a smaller unit than the kilometer. To change from meters to kilometers, divide.

Name the most appropriate metric unit for each measurement.

mass of a co	W	2.	length of a carrot	3.	capacity	of a thimble
nplete.						
45 g =		mg	5. 3450 r	nL = _		L
4.5 m =		mm	7. 1.68 L	= _		mL
28 cm =		mm	9. 7,658	g =		kg
600 cm =		m	11. 5,000	mg = _		g
5.1 km =		m	13. 1.780	L =		mL
0.780 L =		mL	15. 4,300	m =		km
9,000 cm =		m	17. 8,000	mg = _		g
	nplete. 45 g = 4.5 m = 28 cm = 600 cm = 5.1 km = 0.780 L =	nplete. 45 g = 4.5 m = 28 cm = 600 cm = 5.1 km =	mplete. 45 g = mg $4.5 m =$ mm $28 cm =$ mm $600 cm =$ m $5.1 km =$ m $0.780 L =$ mL	mplete. 45 g = mg 5. 3450 r $4.5 m =$ mm 7. 1.68 L $28 cm =$ mm 9. 7,658 $600 cm =$ m 11. 5,000 $5.1 km =$ m 13. 1.780 $0.780 L =$ mL 15. 4,300	mplete. 45 g = mg 5. $3450 \text{ mL} =$ 4.5 m = mm 7. $1.68 \text{ L} =$ 28 cm = mm 9. $7,658 \text{ g} =$ 600 cm = m 11. $5,000 \text{ mg} =$ 5.1 km = m 13. $1.780 \text{ L} =$ 0.780 L = mL 15. $4,300 \text{ m} =$	nplete. 45 g = mg 5. $3450 \text{ mL} = 4.5 \text{ m} = mm 7. 1.68 \text{ L} = 28 \text{ cm} = mm 9. 7,658 \text{ g} = 600 \text{ cm} = m 11. 5,000 \text{ mg} = 5.1 \text{ km} = m 13. 1.780 \text{ L} = 0.780 \text{ L} = mL 15. 4,300 \text{ m} = $

18. Reasoning It is recommended that people have 1 g of calcium each day. How many milligrams of calcium is that?

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