Share and Show Math Board

Complete the equation to show the conversion.

1. 8.47 L $\bigcirc$ 10 = _____ dL

8.47 L $\bigcirc$ 100 = _____ cL

8.47 L $\bigcirc$ 1,000 = _____ mL

Think: Are the units being converted to a larger unit or a smaller unit?

2. 9,824 dm $\bigcirc$ 10 = _____ m

9,824 dm $\bigcirc$ 100 = _____ dam

9,824 dm $\bigcirc$ 1,000 = _____ hm

Convert.

3. 4,250 cm = _____ m

✓ **4.** 6,000 mL = _____ L

✓ **5.** 4 dL = _____ cL

Math Talk **MTR 3.1** Complete tasks with mathematical fluency.

How can you compare the lengths 4.25 dm and 4.25 cm without converting?

On Your Own

Convert.

6. 7 L = _____ mL

7. 5 km = _____ m

8. 1,521 mL = _____ dL

Compare. Write >, <, or =.

9. 32 hm $\bigcirc$ 3.2 km

10. 6 km $\bigcirc$ 660 m

11. 525 mL $\bigcirc$ 525 cL

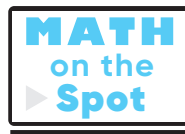**12.** **MTR** Are there less than 1 million, exactly 1 million, or greater than 1 million millimeters in 1 kilometer? Explain how you know.

_____

_____

_____

13. Ivan ran 100 meters, 1 kilometer, and 5,000 centimeters. How many meters did he run altogether?

_____

Problem Solving · Applications

For Problems 14 and 15, use the table.

MATH on the ▶ Spot

Food for Camping	
Item	**Amount**
1 can of juice	150 mL
1 bottle of juice	2 L
1 batch of pancakes	200 g
raisin & pretzel snack mix	1,425 g

14. Kelly plans to take juice on her camping trip. Which will hold more juice: 8 cans or 2 bottles? How much more?

_____

15. Siona also plans to take juice on her camping trip. She plans to take 3 bottles, but the store only has cans. How many cans will she need to buy?

_____

16. Magan's water bottle holds 600 milliliters of water. Dylan's water bottle holds 1 liter of water. Whose water bottle holds more water? How much more water?

_____

Show the Math

Demonstrate Your Thinking

17. Liz and Alana each participated in the high jump at the track meet. Liz's high jump was 1 meter. Alana's high jump was 132 centimeters. Who jumped higher? How much higher?

_____

18. Lida has 426 millimeters of fabric. How many centimeters of fabric does Lida have? Use the numbers and symbols on the tiles to write an equation to show the conversion.

426	4.26	42.6	0.426

×	÷	=

10	100	1,000

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