Practice Video Tools Games

Another Look!

Convert each unit.

To convert from kilograms to grams, multiply by 1,000.

To convert from liters to milliliters, multiply by 1,000.

Convert 8 liters to milliliters.

1 liter = 1,000 milliliters

$8 \times 1,000 = 8,000$

8 liters = 8,000 milliliters

Convert 9 grams to milligrams.

1 gram = 1,000 milligrams

$9 \times 1,000 = 9,000$

9 grams = 9,000 milligrams

In **1–3**, tell what metric unit you would use to measure each.

1. Water in a washing machine

2. The mass of a large dog

3. The mass of a grape

For **4–7**, convert each unit.

4. 2 liters = _____ milliliters

5. 8 grams = _____ milligrams

6. 3 kilograms = _____ grams

7. 7 liters = _____ milliliters

For **8–9**, complete each table.

8.

Liters	Milliliters
7	
8	
9	

9.

Kilograms	Grams
4	
5	
6	

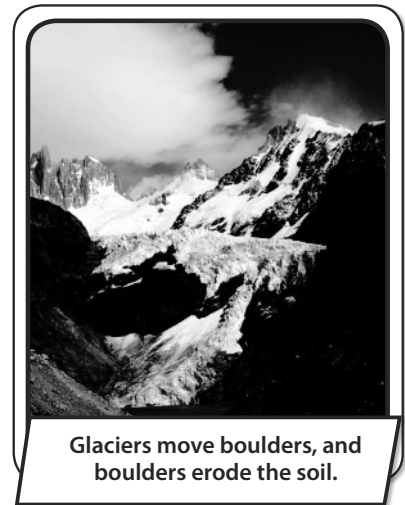**10.** 🔤 **Vocabulary** Fill in the blank: _____ is the amount of matter something contains. _____ is a measure of how heavy an object is.

11. Would a cup hold 250 liters of liquid or 250 milliliters of liquid? Explain.

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12. **enVision®** STEM A glacier moved a boulder with a mass of 9 kilograms. What was the mass of the boulder in grams?

13. Another glacier moved a boulder that weighed 2 tons. How many pounds did the boulder weigh?

Glaciers move boulders, and boulders erode the soil.

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14. **Reasoning** Hannah has 3 boxes of rice. One box contains 3 kilograms, the second box contains 150 grams, and the third box contains 500 grams. She wants to divide the rice equally into 5 bags. How much rice should she put into each bag? Explain.

15. **Higher Order Thinking** Rob has a 2-liter bottle of iced tea. He poured an equal amount of the iced tea into 8 containers. How many milliliters did Rob pour into each container?

🏴 Assessment Practice

16. Which shows a correct comparison?

🏴 4.MD.1.1

Ⓐ 1,000 liters $<$ 1,000 milliliters

Ⓑ 40 liters $<$ 400 milliliters

Ⓒ 5,100 milliliters $>$ 5 liters

Ⓓ 900 milliliters $>$ 900 liters

17. Which statement is true? 🏴 4.MD.1.1

Ⓐ 5 grams = 500 milligrams

Ⓑ 1 gram = 10 milligrams

Ⓒ 910 kilograms = 910 grams

Ⓓ 2 kilograms = 2,000 grams