Name _____  Date _____

Use the RDW process to solve Problems 1–3.

1. Dawn needs to pour 3 gallons of water into her fish tank.  She only has a 1-cup measuring cup.  How many cups of water should she put in the tank?

2. Julia has 4 gallons 2 quarts of water.  Ally needs the same amount of water but only has 12 quarts.  How much more water does Ally need?

3. Sean drank 2 liters of water today, which was 280 milliliters more than he drank yesterday.  How much water did he drink yesterday?

4. Complete the tables.

a.

| Gallons | Quarts |
|---------|--------|
| 1 | |
| 2 | |
| 4 | |
| 12 | |
| 15 | |

b.

| Quarts | Pints |
|--------|-------|
| 1 | |
| 2 | |
| 6 | |
| 10 | |
| 16 | |

5. Solve.

   a. 6 gallons 3 quarts = _____ quarts

   b. 12 gallons 2 quarts = _____ quarts

   c. 5 quarts 1 pint = _____ pints

   d. 13 quarts 3 pints = _____ cups

   e. 17 gallons 2 quarts = _____ pints

   f. 27 gallons 3 quarts = _____ cups

6. Explain how you solved Problem 5(f).

7. Answer "true" or "false" for the following statements. If your answer is false, make the statement true by correcting the right side of the comparison.

   a. 2 quarts > 10 pints   _____

   b. 6 liters = 6,000 milliliters   _____

   c. 16 cups < 4 quarts 1 cup   _____

8. Joey needs to buy 3 quarts of chocolate milk. The store only sells it in pint containers. How many pints of chocolate milk should he buy? Explain how you know.

9. Granny Smith made punch. She used 2 pints of ginger ale, 3 pints of fruit punch, and 1 pint of orange juice. She served the punch in glasses that had a capacity of 1 cup. How many cups can she fill?

# Answer Key

1. 48 cups

2. 6 quarts (or equivalent)

3. 1,720 mL (or equivalent)

4. a. 4, 8, 16, 48, 60

   b. 2, 4, 12, 20, 32

5. a. 27

   b. 50

   c. 11

   d. 58

   e. 140

   f. 444

6. Answers will vary.

7. a. False; 2 quarts > 3 pints

   b. True

   c. True

8. 6 pints; answers will vary.

9. 12 cups