

ALGEBRA

Lesson 12.11

Name _____

Patterns in Measurement Units

COMMON CORE STANDARD CC.4.MD.1

Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

Each table shows a pattern for two customary units of time or volume. Label the columns of the table.

1.

Gallons	Quarts
1	4
2	8
3	12
4	16
5	20

2.

1	12
2	24
3	36
4	48
5	60

3.

1	2
2	4
3	6
4	8
5	10

4.

1	7
2	14
3	21
4	28
5	35

Problem Solving



Use the table for 5 and 6.

5. Marguerite made the table to compare two metric measures of length. Name a pair of units Marguerite could be comparing.

6. Name another pair of metric units of length that have the same relationship.

?	?
1	10
2	20
3	30
4	40
5	50

Lesson Check (CC.4.MD.1)

- Joanne made a table to relate two units of measure. The number pairs in her table are 1 and 16, 2 and 32, 3 and 48, 4 and 64. Which are the best labels for Joanne's table?
 - Cups, Fluid Ounces
 - Gallons, Quarts
 - Pounds, Ounces
 - Yards, Inches
- Cade made a table to relate two units of time. The number pairs in his table are 1 and 24, 2 and 48, 3 and 72, 4 and 96. Which are the best labels for Cade's table?
 - Days, Hours
 - Days, Weeks
 - Years, Months
 - Years, Weeks

Spiral Review (CC.4.NF.6, CC.4.MD.1, CC.4.MD.2, CC.4.MD.5a)

- Anita has 2 quarters, 1 nickel, and 4 pennies. Write Anita's total amount as a fraction of a dollar. (Lesson 9.4)
 - $\frac{39}{100}$
 - $\frac{54}{100}$
 - $\frac{59}{100}$
 - $\frac{84}{100}$
- Roderick has a dog that has a mass of 9 kilograms. What is the mass of the dog in grams? (Lesson 12.7)
 - 9 grams
 - 900 grams
 - 9,000 grams
 - 90,000 grams
- The minute hand of a clock moves from 12 to 6. Which describes the turn the minute hand makes? (Lesson 11.1)
 - $\frac{1}{4}$ turn
 - $\frac{1}{2}$ turn
 - $\frac{3}{4}$ turn
 - 1 full turn
- Kari mixed 3 gallons 2 quarts of lemon-lime drink with 2 gallons 3 quarts of pink lemonade to make punch. How much more lemon-lime drink did Kari use than pink lemonade? (Lesson 12.10)
 - 3 quarts
 - 4 quarts
 - 1 gallon 1 quart
 - 1 gallon 2 quarts