

LESSON 26: Represent and Analyze Quantitative Relationships

Homework

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Name _____ **Date** _____

Directions: Use the variables x and y to represent the quantities in the real-world situations. Write an equation to represent the situation.

1. There are four quarts in a gallon. x – gallons y = quarts

2. There are 12 donuts in each dozen x – number of dozens y = total donuts.

Directions: Determine if the relationship in the table can be represented with an equation. If it can, write the equation to represent the relationship.

3.

x	2	3	5	8
y	8	9	20	28

4.

x	1	3	5	9
y	\$2.30	\$6.90	\$11.50	\$20.70

5. Lunch Cost

Number of lunches	1	2	3	4
Lunch Cost	\$8	\$16	\$24	\$32

6. Jack's Car

Number of miles driven	100	150	200	250
Gas used in gallons	3	5.5	9	11.8
