

Writing and Evaluating Expressions Practice Quiz

Name: _____ Date: _____ Per: _____

Directions: Write an equation to match each context below. On the lines provided, tell what your variable represents.

1.) Mary and May are playing basketball. They have made a total of 65 baskets. Write an equation to represent the total amount of baskets made.

Equation: _____

2.) Suppose Mary made 32 baskets. How many did May make?

3.) Jared wants a new lizard that is \$46. Right now he has saved \$13.12. Write an equation to show how much more he needs to save.

Equation: _____

4.) How much more does he need to save?

5.) Arthur makes 10.2 times as much as Arnie. Write an equation to represent the amount of money Arthur makes.

Equation: _____

6.) Suppose Arthur makes \$40.80. How much does Arnie make?

7.) Mr. Bell's class is taking a trip to the theater. Each ticket costs \$14, and there is a one-time fee of \$35 to reserve their seats together in a block. Write an equation to represent the total amount the trip will cost.

Equation: _____

8.) Suppose there are 15 students going to the theater. How much does the trip cost.

For numbers 9-12, write an algebraic expression.

9.) An airplane traveling at a speed of 550 miles per hour

10.) Jackie's age if she is 3 years older than Talli

11.) The money left on a \$20 gift card after spending y dollars

12.) There are 50 flowers, each container holds x number of flowers

For 13-15, evaluate the expression with the given value

13.) Evaluate for x when $x = 8 \rightarrow 54 - 3x$

14.) Evaluate for x when $x = 9 \rightarrow 4x - 7$

15.) Evaluate for x when $x = 64 \rightarrow \frac{x}{4} \div 8$