



Evaluate the expression

$$w = 5, x = 3, y = 4, z = 8$$

$$\frac{9y}{x} + z^2 - w$$

$$\frac{9(4)}{3} + (8)^2 - (5)$$

(71)

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Mathematics Enhanced Scope and Sequence – Algebra I

## Evaluating Expressions with Candy

Name \_\_\_\_\_ Date \_\_\_\_\_

Separate your bag of candy into color sets designated with the following variables.

g=green    b=blue    ~~d=dark blue~~ **p=purple**    r=red    n=orange    y=yellow

Record the number in each set to find the values of each variable.

g=\_\_\_\_\_    b= 0    ~~d~~ **p**=\_\_\_\_\_

r=\_\_\_\_\_    n=\_\_\_\_\_    y=\_\_\_\_\_

Evaluate each expression for the replacement values found above.

$5r + 2d$  **P**                       $6 + 5(y + g)$                        $3y - 5b$

$b^2 + 3b - 10$                        $(3r + 6) - d$                        $(4g - 2)^2$

$|7 - 2n|$                        $\sqrt{2y} - rd$                        $|\frac{2}{5}g - 5b| - \sqrt[3]{125}$

Create two expressions of your own and have a classmate evaluate them using their data.

\_\_\_\_\_

Evaluate two expressions created by a classmate using your data and show all work below.

\_\_\_\_\_



## Extra Practice

$$w = 5, x = 3, y = 4, z = 8$$

Evaluate each expression

1.  $9x =$

2.  $3w + 6 \div 2x =$

3.  $w^2 + 2 + 48 \div 2x =$

## Attachments

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