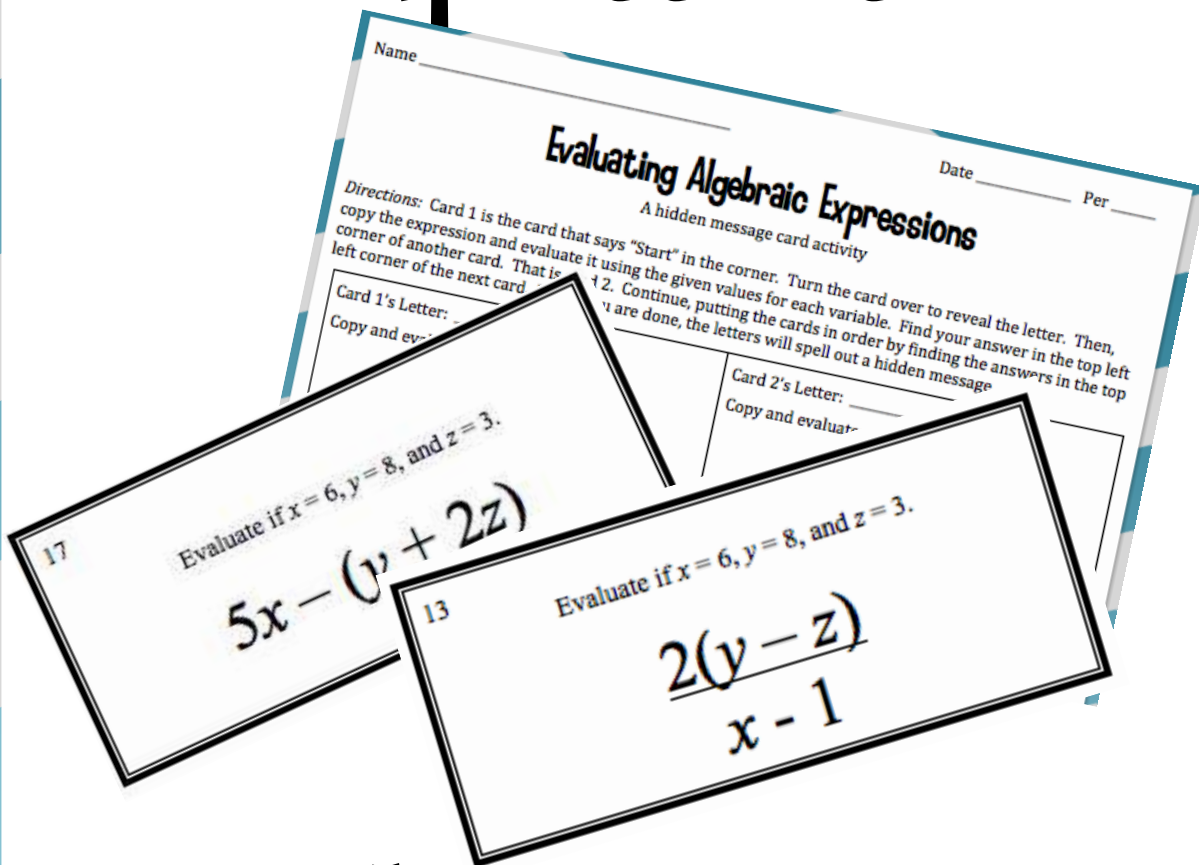


Evaluating Algebraic Expressions



Hidden Message Card Activity

Includes 12 cards, student worksheet, and teacher directions with key.

Evaluating Algebraic Expressions

Hidden Message Card Activity

Teacher Directions

1. Print the cards. Please note that they are double-sided. Each card should print with a letter on the back of that card. I print one copy for each pair of students in my class.
2. Either cut the cards out yourself or have your students cut out their own sets. Prepare paper clips or baggies to keep each set for your next class if necessary.
3. Pass out one worksheet to each student. (Worksheets should be printed double-sided.)
4. Go through the first card with your students. Have all students flip the card over that says "Start" in the corner and write down the letter (A). Allow time for students to solve the problem on the card. Discuss the answer with the class. (The answer is 51).
5. Ask students to find the card that has a 51 in the top left corner. Have them flip it over to reveal the letter (L). Let students finish the activity in pairs or independently.

The hidden message is: **Algebra Rocks**

Start

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$xy + z$$

3

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$\frac{y + xz}{2}$$

70

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$\frac{x + z}{3}$$

17

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$5x - (y + 2z)$$

33

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$2(x + z) - y$$

20

The End !

16

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$x^2 + y^2 - 10z$$

18

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$2x + 3y - z$$

10

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$5z + (y - x)$$

2

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$\frac{3y + x^2}{z}$$

51

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$yz - x$$

13

Evaluate if $x = 6$, $y = 8$, and $z = 3$.

$$\frac{2(y - z)}{x - 1}$$

O

R

S

G

K

C

A

R

E

A

B

L

Name _____

Date _____ Per _____

Evaluating Algebraic Expressions

A hidden message card activity

Directions: Card 1 is the card that says "Start" in the corner. Turn the card over to reveal the letter. Then, copy the expression and evaluate it using the given values for each variable. Find your answer in the top left corner of another card. That is card 2. Continue, putting the cards in order by finding the answers in the top left corner of the next card. When you are done, the letters will spell out a hidden message.

Card 1's Letter: _____

Copy and evaluate:

Answer: _____

Card 2's Letter: _____

Copy and evaluate:

Answer: _____

Card 3's Letter: _____

Copy and evaluate:

Answer: _____

Card 4's Letter: _____

Copy and evaluate:

Answer: _____

Card 5's Letter: _____

Copy and evaluate:

Answer: _____

Card 6's Letter: _____

Copy and evaluate:

Answer: _____

Card 7's Letter: _____

Copy and evaluate:

Answer: _____

Card 8's Letter: _____

Copy and evaluate:

Answer: _____

Card 9's Letter: _____

Copy and evaluate:

Answer: _____

Card 10's Letter: _____

Copy and evaluate:

Answer: _____

Card 11's Letter: _____

Copy and evaluate:

Answer: _____

Card 12's Letter: _____

Copy and evaluate:

Answer: _____

What is the hidden message ?
