

Cracking the Code

NAME _____

Use your Variable Machine to answer the questions which follow.

1. What is the value of your last name? _____ What is the value of your first name? _____

What is the difference of these two values? _____

2. What is the value of each of these words?

a. variable _____

b. machine _____

c. algebra _____

d. mathematics _____

3. Find three different words whose values are each equal to 25. Record the words below.

What do you notice about the number of letters in each of these words?

4. Find three different words whose values are each equal to 36. Record the words below.

What do you notice about the number of letters in each of these words?

5. Find three different words whose values are each equal to 100. Record the words below.

What do you notice about the number of letters in each of these words?

6. Do most of the words you found have a value that is even or odd? Do you think there is a reason for this?