

Name: _____

Variable Quiz

1. Circle the variable: $5m+31=198$	2. Define a variable: _____ _____
3. Which variable expression represents the following: How many cards are in a set of baseball cards if the set plus eight more equals 62 cards, where p stands for the number of baseball cards? a. $p - 8 = 62$ b. $p/62 = 8$ c. $p + 8 = 62$ d. $8p = 62$	4. Write the statement as a variable expression. A number, h, increased by 37 is 413.
5. Ashley has a round cake that she has cut into 8 slices. She wants to share the cake with six of her friends. What is the variable in this situation? a. The shape of the cake b. The amount of slices of cake c. The flavor of the cake d. The number of friends she will share with	6. Tammy has 96 pencils she is placing into baskets for her class. She places 8 pencils in each basket. Which number sentence shows the number of baskets, b, that she will need? a. $b - 8 = 96$ b. $96 + 8 = b$ c. $8b = 96$ d. $96 \div 8 = b$
7. Which equation represents "a number, a, decreased by 36 is 248"? a. $a + 36 = 248$ b. $z - 36 = 248$ c. $36 - z = 248$ d. $36 \div z = 248$	8. Write the statement as a variable expression. Ten less than a number, r.
9. Solve for the variable. $7c = 35$ $c = \underline{\hspace{2cm}}$	10. Write the statement as a variable expression. What is the product of y and 10?

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