1-1 Using Variables  
List the words that apply each of the operations.

|  |  |  |  |
| --- | --- | --- | --- |
| + | - | × | ÷ |

|  |
| --- |
| = |

|  |  |
| --- | --- |
| 1. The sum of 15 and *v*.  2. The quotient of a number and 7.  3. Six times a number decreased by 9. | 1. *r* minus 4 equals 14  2. Twenty is one-half times a number  3. The perimeter of a square equals 4 times the length of a side. |

Now this seems really easy but there is one small trick that shows up on a lot of test questions. Look at this example…

One smaller than 10 is equal to 9.

Five less than 7 is equal to two.

Any time we see **“than”** we must \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

But what about…..

One larger than 10 is equal to 11.

Ok… Let’s bump up the difficulty just a bit!!

1. The product of 5 and a number minus *x* divided by 6

2. Seventeen smaller than 8 times a number is 7

3. 

4. Jesse earns $6.50 for every hour he works mowing lawns.

|  |  |  |
| --- | --- | --- |
| Hours | MATH | $ Earned  a) Write the equation rule for the **dollars earned** (*d* ) to the **number of hours worked** (*h* ).    b) If Jesse got a raise to $7.25 an hour, how much money would he earn in 17 hours? |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 6 |  |  |
| 17 |  |  |
| *h* |  |  |

Practice 1-1 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write and algebraic expression for each phrase**

1. 4 more than *p* 2. *y* minus 12

3. the quotient of *n* and 8 4. the product of 17 and *k*

**Write an expression/equation or a verbal sentence for:**

5. the difference of 6 and 7 times a number

6. The total cost (*t* ) is the number of cans (*c )* multiplied by $0.75

7. 

**Circle the equations and Underline the Expressions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

8. Beth buys books to read at $12 per book.

|  |  |  |
| --- | --- | --- |
| Books | MATH | $ Owed |
| 1 |  | a) Write the equation rule for the **dollars owed** (*d* ) to the **number of books bought** (*b* ). |
| 2 |  |  |
| 4 |  |  |
| 8 |  |  |
| 10 |  |  |
| *b* |  |  |