

Write an algebraic expression to represent the verbal expression.

4. six less than <u>n</u> $n - 6$	5. the difference of ten and q	6. nineteen added to j $j + 19$	7. fourteen increased by b
8. k less seven	9. twelve less than p	10. the sum of g and eleven	11. t decreased by three

Multiplication is Written side-by-side with the Coefficient in front of the Variable. $\frac{1}{4}n$

the <u>product</u> of <u>nine</u> and <u>n</u>	q times twelve	<u>twice</u> a <u>number</u> , n	sixteen multiplied by j
$9n$		$2n$	

With division you must determine which term is the divisor and which is the dividend.

k <u>divided</u> by ten	the quotient of x and six	nine divided by c	the quotient of four and q
$\frac{k}{10}$			

equation

- An equation shows that one expression is equal to another expression.
- It contains an equal sign.

Write an expression or an equation based on the information below.

1. four <u>times</u> w <u>is</u> 18 $4w = 18$	2. n divided by seven
3. <u>one-third</u> the <u>sum</u> of eleven and p $\frac{1}{3}(11+p)$ or $\frac{(11+p)}{3}$	4. fourteen is <u>half</u> of g $14 = \frac{1}{2}g$ or $14 = \frac{g}{2}$
5. the product of r and nine is forty-five	6. the difference between five and b
7. the quotient of s and eight	8. the <u>quotient</u> of (m and five) <u>plus</u> nine $\frac{m}{5} + 9$

Sum +	Difference	Product	Quotient
Power	Squared	Divide	Multiply
Subtract	Add	Fewer than —	More than
Times	Each	Cubed \times^3	Total

Minus	Every	Per	Split
Double	Triple	Less than	In all
How many more	Of	As much	Left
Increased by	Plus	Decreased by	All together

Translating Expressions 6th

Hmwk

Name: _____ Date: _____

A. Translate each verbal phrase into a math expression. **CHOOSE ANY 6 TO DO*

1. Some number increased by 28 _____
2. Product of a number 12 and e _____
3. 24 divided into a number n _____
4. Quotient of a number j and 32 _____
5. A number w less than 18 _____
6. Twice the difference between 19 and some number _____
7. Five plus 22 then multiplied by some number _____
8. 4 less than the product of some number and 6 _____
9. The difference between a number cubed and the number squared _____

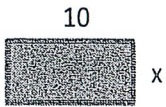
B. Write a math expression that would represent each situation.

**CHOOSE ANY 3 TO DO*

10. Linda has a balance of \$400.00 in her checking account. On Friday, she deposited her weekly paycheck in the amount of \$600.00.

11. Irene balanced her checkbook and had an ending balance of \$375.25. She then went shopping and used her debit card to purchase \$75.19 total in groceries.

12. Write an expression to find the perimeter of a rectangle with a length of 10mm and a width of x .



13. Mike has g green marbles and y yellow marbles. Tina keeps losing her marbles. She has half as many yellow and 3 less green marbles than Mike. Write an expression for Tina's marbles.

C. Write an English sentence represented by each expression without using the words add, subtract, multiply, or divide.

Example: $x - 2$

Answer: *the difference of a number and 2*

***CHOOSE ANY 3 TO DO*

14. $x + 2$

15. $3x + 3$

16. $\frac{1}{2}(y)$

17. $2x - 5$