

Name _____

Score: _____

Writing Basic Algebraic Expressions

Evaluate each expression.

operation	example written numerically	example with a variable
addition (sum)	$3 + 2$	$6 + x$
subtraction (difference)	$18 - 6$	$14 - a$
multiplication (product)	4×5	$9c$
division (quotient)	$16 \div 4$	$\frac{18}{z}$



Rewrite each question as an algebraic expression.

1. What is the sum of a and 6? _____
2. What is the product of y and 12? _____
3. What do you get when you subtract 6 from b ? _____
4. What is c divided by 10? _____
5. What is 14 decreased by p ? _____

Rewrite each phrase as an algebraic expression.

6. c multiplied by 8 _____
7. 6 larger than y _____
8. 8 less than e _____
9. triple r _____
10. p divided by 3 _____
11. quadruple f _____

Write your answer to the word problems in the form of an algebraic expression.

12. There are x students trying out for a solo in a chorus concert. Only 8 will be chosen. How many students will not be chosen? _____
13. There are y students who volunteered to pull weeds in the school garden. The principal said she wishes she had four times as many volunteers. How many volunteers would the principal like to have? _____

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addition (sum)	$3 + 2$	$6 + x$
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Rewrite each question as an algebraic expression.

1. What is the sum of a and 6? $a + 6$
2. What is the product of y and 12? $12y$
3. What do you get when you subtract 6 from b ? $b - 6$
4. What is c divided by 10? $\frac{c}{10}$
5. What is 14 decreased by p ? $14 - p$

Rewrite each phrase as an algebraic expression.

6. c multiplied by 8 $c8$
7. 6 larger than y $6 + y$
8. 8 less than e $e - 8$
9. triple r $3r$
10. p divided by 3 $\frac{p}{3}$
11. quadruple f $4f$

Write your answer to the word problems in the form of an algebraic expression.

12. There are x students trying out for a solo in a chorus concert. Only 8 will be chosen. How many students will not be chosen? $x - 8$
13. There are y students who volunteered to pull weeds in the school garden. The principal said she wishes she had four times as many volunteers. How many volunteers would the principal like to have? $4y$