

Name: \_\_\_\_\_

## Writing Basic Algebraic Expressions

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



Rewrite each question as an algebraic expression.



# Preview

Please log in to download the printable version of this worksheet.

Rewrite each phrase as an algebraic expression.

6.  $c$  multiplied by 5 \_\_\_\_\_

7. 10 larger than  $y$  \_\_\_\_\_

8. 9 less than  $e$  \_\_\_\_\_

9. triple  $r$  \_\_\_\_\_

10.  $p$  divided by 4 \_\_\_\_\_

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 6 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 three times as many volunteers. How many volunteers would the principal like to have? \_\_\_\_\_

# ANSWER KEY

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operation	example written numerically	example with a variable
addition (sum)	$3 + 2$	$6 + x$
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Rewrite each question as an algebraic expression.



**Preview**  
Please log in to download the printable version of this worksheet.

Rewrite each phrase as an algebraic expression.

6.  $c$  multiplied by 5      $5c$

7. 10 larger than  $y$       $10 + y$

8. 9 less than  $e$       $e - 9$

9. triple  $r$       $3r$

10.  $p$  divided by 4      $\frac{p}{4}$

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 6 will be chosen. How many students will not be chosen?      $x - 6$

13. There are  $y$  students who volunteered to pull weeds in the school garden. The principal said she wishes she had three times as many volunteers. How many volunteers would the principal like to have?      $3y$