

Grade 6 - Writing and Reading Algebraic Expressions - Worksheet

Common Core 6.EE.A.2a, 6.EE.A.2b · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

These 20 problems practice writing and reading algebraic expressions (Common Core 6.EE.A.2a and 6.EE.A.2b). You will translate words into expressions, name terms, coefficients, and factors, read expressions in words, and write expressions from real situations.

Grade 6 · Common Core State Standards: **6.EE.A.2a**, **6.EE.A.2b**

Exercise 1 - Sum

Write an algebraic expression for "the sum of x and 7."

Exercise 2 - Decreased by

Write an algebraic expression for "a number y decreased by 5."

Exercise 3 - Times a number

Write an algebraic expression for "6 times a number n ."

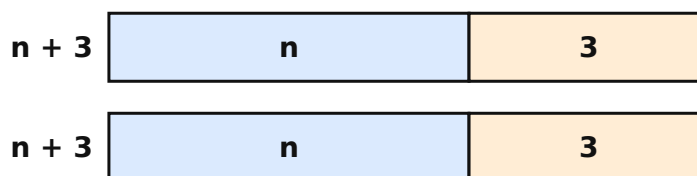
Exercise 4 - Quotient

Write an algebraic expression for "the quotient of m and 4."

Exercise 5 - Less than

Write an algebraic expression for "8 less than a number k ."

Exercise 6 - Twice a sum



Two equal groups of $n + 3$.

Write an algebraic expression for "twice the sum of a number n and 3."

Exercise 7 - Product with a difference

Write an algebraic expression for "the product of 5 and the difference of x and 2."

Exercise 8 - Terms and coefficient

Part	Name
$7x$	term
7	coefficient
x	variable
3	constant

Parts of an expression.

Name the terms, the coefficient, and the constant of $7x+3$.

Exercise 9 - Three terms

For $4a+9b+2$, list the terms, the coefficients, and the constant.

Exercise 10 - Read a product

Part	Name
3	factor
$x + 5$	factor (a sum)
$3(x + 5)$	product

The whole expression is one product.

Describe $3(x+5)$ in words, and name its factors.

Exercise 11 - Words for a difference

Write two different ways to say $2n-9$ in words.

Exercise 12 - Words for a quotient

Write $\frac{7}{3}+4$ in words.

Exercise 13 - Sum of a product

Write an expression for "the sum of 4 times a and 7."

Exercise 14 - Hourly pay

Maya earns \$12 per hour babysitting. Write an expression for her pay for h hours, and find her pay for 5 hours.

Exercise 15 - Notebooks and a pen

Cost	3	3	3	3	2
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Cost of notebooks (blue) and a pen (orange).

Notebooks cost \$3 each and a pen costs \$2. Write an expression for the cost of n notebooks and one pen.

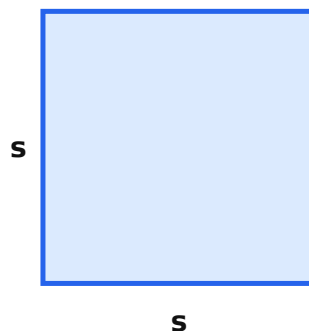
Exercise 16 - More stickers

Jamal	x	
Ava	x	5

Ava has 5 more than Jamal.

Jamal has x stickers. Ava has 5 more than Jamal. Write an expression for the number of stickers Ava has.

Exercise 17 - Perimeter of a square



A square with side length s .

A square has side length s . Write an expression for its perimeter, and find the perimeter when s is 7 inches.

Exercise 18 - Distance

A cyclist rides at 14 miles per hour for t hours. Write an expression for the distance, and find the distance for 3 hours.

Exercise 19 - Read a product of a sum

Describe $5(2x+1)$ in words. Identify the factors and the terms inside the parentheses.

Exercise 20 - Tickets

Adult tickets to the school play cost \$8 and child tickets cost \$5. Write an expression for the cost of a adult tickets and c child tickets. Then find the cost for 3 adults and 4 children.