

Grade 6 - Writing and Reading Algebraic Expressions - Quiz

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

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

This quiz has 10 multiple-choice questions on writing and reading algebraic expressions (Common Core 6.EE.A.2a and 6.EE.A.2b). Pick one answer for each question and read the explanation to see each common mistake.

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

Questions

Question 1

Which expression means "7 less than a number x "?

- A. $7-x$
- B. $x+7$
- C. $x-7$
- D. $7x$

Question 2

Which is the coefficient in $9z+4$?

Part	Name
9z	term
4	constant

Parts of an expression.

- A. 4
- B. z
- C. 13
- D. 9

Question 3

Which expression means "the product of 3 and the sum of n and 5"?

- A. $3n+5$
- B. $3+n+5$

C. $3(n+5)$

D. $3n \times 5$

Question 4

How many terms does $5a+3b+7$ have?

Term 1	Term 2	Term 3
5a	3b	7

Three parts added together.

A. 3

B. 2

C. 1

D. 5

Question 5

Which expression gives the cost of t tickets at \$9 each?

A. $9+t$

B. $\frac{9}{t}$

C. $t-9$

D. $9t$

Question 6

Which phrase matches $\frac{x}{4}$?

A. the product of x and 4

B. the quotient of x and 4

C. 4 divided by x

D. 4 less than x

Question 7

Sofia has s marbles. Liam has 3 more. Which expression shows Liam's marbles?

Sofia	s
Liam	s + 3

Marbles.

A. $3s$

B. $s+3$

C. $s-3$

D. $\frac{16}{3}$

Question 8

Which describes $2(n-6)$?

- A. twice the difference of n and 6
- B. the difference of twice n and 6
- C. 6 less than twice n
- D. the sum of n and 12

Question 9

Which expression represents "5 more than 4 times a number k "?

- A. $4k+5$
- B. $4(k+5)$
- C. $5k+4$
- D. $9k$

Question 10

What is the constant term of $8x+2y+11$?

- A. 8
- B. 11
- C. 2
- D. 21

Answers

1. **C** - "7 less than x" means start at x and take away 7. $7 - x$ reverses the order.
2. **D** - The coefficient is the number multiplying the variable.
3. **C** - The sum $n + 5$ must be grouped before multiplying by 3.
4. **A** - The terms are $5a$, $3b$, and 7, which are added.
5. **D** - Cost = price per ticket times number of tickets.
6. **B** - $x/4$ is x divided by 4.
7. **B** - 3 more than s is $s + 3$.
8. **A** - The difference $n - 6$ is multiplied by 2.
9. **A** - 4 times k is $4k$, and 5 more is $+ 5$.
10. **B** - The constant term has no variable.

Remember

- Sum, plus, more than: add. Difference, less than, decreased by: subtract.
- Product and times: multiply; quotient and divided by: divide.
- A term is a part of an expression separated by plus or minus signs.
- A coefficient is the number multiplied by a variable; a constant has no variable.
- Read an expression in parentheses as one quantity.