

Write an Expression

Write an algebraic expression for each. Then evaluate, given $n = 12$.

1. 8.5 more than n
2. $7\frac{1}{2}$ less than n
3. 5 more than the difference of n minus -5
4. the sum of n and 8, divided by -4
5. n less than -9
6. the product of n and 3
7. 14 more than n minus -3
8. $\frac{1}{3}$ of n
9. twice n plus -2
10. -8 less than n
11. $\frac{1}{4}$ times n
12. 12.6 more than n
13. n less than 20
14. the sum of n and 6, divided by -3
15. n less than 18 divided by 9
16. 4.56 more than n
17. 6 less than $\frac{1}{4}$ of n
18. the product of n and 6, divided by -8
19. n less than the sum of 18.5 and 12.6
20. 6 less than twice n

Test Prep

21. Which algebraic expression is the same as "6 less than three times a number n ."

A $6 - 3n$	C $(3 - n) \times 6$
B $3n - 6$	D $(n - 3) \times 6$
22. What is the value of $2n - 12\frac{3}{4}$, given $n = \frac{1}{4}$?

Write an Expression

How to Write an Expression

Step 1: Use words to represent the situation.

Step 2: Identify the variable. Write the expression.

Write an algebraic expression for each. Then evaluate, given $n = 5$.

1. n decreased by 3

2. 17 more than n increased by 4

3. 9 less than twice n

4. the product of n and -8

5. n^3 divided by n^2

6. the sum of -10 and n

7. 2 more than n minus -4

8. 7 less than the product of n and 8

9. n times 20 divided by 2^2

10. three times the sum of n and 4

Problem Solving

11. Dee's age is twice Max's age plus two more. Write an expression to represent Dee's age. Then evaluate the expression when Max is 7 years old. Let x represent Max's age.

Show Your Work

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