

REVIEW: Writing Expressions and Equations

Name _____

Key Concept and Vocabulary

Phrase: Two more than a number

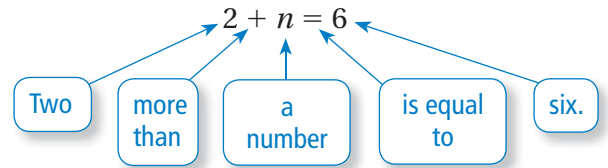
Expression: $2 + n$

Sentence: Two more than a number is equal to six.

Equation: $2 + n = 6$



Visual Model



Skill Examples

- Five times a number: $5n$
- Six less than three times a number: $3n - 6$
- The sum of a number and one: $n + 1$
- A number divided by three: $n \div 3$

Application Example

- Write an equation for the following.
"The price of \$15 is the wholesale cost plus a markup of fifty percent."

Let C be the wholesale cost.

50% of C is $0.5C$.



∴ An equation is $15 = C + 0.5C$.

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Check your answers at BigIdeasMath.com.

Write the verbal phrase as a mathematical expression.

- The product of a number and two

- 19 less than twice a number

- Five times the sum of a number and two

- 10 subtracted from a number

- The sum of a number and three, divided by four

- Seven less than four times a number

Write the sentence as an equation.

- Three times a number equals nine.

- Twelve divided by a number is four.

- The difference of a number and nine is four.

- The sum of a number and seven is eighteen.

- The volume of a cone is one-third the area of the base times the height. A cone has a volume of 20π cubic inches. Write an equation that can be used to solve for the height of the cone.

