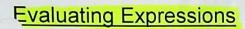
X





Objectives: I can evaluate expressions and solve problems by evaluating expressions.

We have learned that, in an algebraic expression, letters can stand for numbers. When we substitute a specific value for each <u>variable</u>, and then perform the operations, it's called <u>evaluating</u> the expression.

Evaluating a variable expression

Evaluate 18 + 2g, for g = 3.

18 + 2q

Use the order of operations to :

Evaluate $2a_0^2 - \frac{c}{2}$, for a = 3, 16 = 4, c = 9

 2^{*3} , $-\frac{9}{3}$: Use the <u>order of operations</u>

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Mult Divide Subtract

Practice

PEMO AS

(simplify) Evaluate each expression.

'. 63 - 5x, for x = 7

Remember that a number beside a variable is multiplied. 2a means 2 * a

3. 6(g + h), for g = 8 & h = 7

6[8)+(7)

(4)2xy - z, for x = 4, y = 3, and z = 1

 $5\frac{r+s}{2}$, for r=13 and s=11

Becky saves \$125 each year since her first birthday.

a) Write an expression for Becky's savings after 3 years. 3 (125)

Write an expression for Becky's savings after y years 1254

When Becky is 14 Vears old how much will she have saved? 1750