

Name:

DMR 4.7

1	2	3	4
Write an expression for the verbal phrase: Six less than x	Write an expression for the verbal phrase: The quotient of fifteen and the product of two times x	Write an expression for the verbal phrase: The product of the square of x and seven	Write an expression for the verbal phrase: The difference between x and half of y.
Simplify by using order of operations: $4 + (9 \cdot 2) \div (4 - 1) - 4$	Simplify by using order of operations: $\frac{10 - 3 \cdot 2}{1 + 1}$	Simplify by using order of operations: $\frac{10}{2 + 3} + \frac{6 + 3}{3}$	Simplify by using order of operations: $20 - (4 \cdot 2) \div (5 - 3) - 2$
Solve: $-19 = x - 19$	Solve: $3x - 4 + 20 = 55$	Solve: $2x + 12 - 7x = -2$	Solve: $\frac{x + 3}{3} = 9$
Solve: $18 + x = 27$	Ms. Jan brought in cookies for her class. She gave out half of them in the morning. At lunch, she gave out 12 more. She then had 10 cookies left. How many cookies did she bring in?	Solve: $-2x + 8 = -26$	A plumber charges \$65 for a diagnostic check. After the check, it is \$85 per hour for the work. With \$320 in your wallet, how many hours of work can you afford?
An electrician charges \$50 to make a house call and \$40 for each hour worked. If you have \$200, can you afford a repair that takes 4 hours to complete?	Solve: $1 - \frac{3}{8}x = 0$	Solve: $-7 + \frac{1}{2}x = 12$	Solve: $-11 = -2 + \frac{x}{4}$