

Structure in Expressions - Worksheet 1

Answer Key

Convert the following statements into mathematical expressions:

1. Difference of five times a number n and ten.
 $5n - 10$.
2. Six more than the quotient of eighteen and a number n .
 $\frac{18}{n} + 6$.
3. The quotient of three and the quantity 'three less than one-sixth of a number x .'
 $\frac{3}{(\frac{1}{6}x - 3)}$
4. The difference of seven times a number x and the quotient of that number and 3.
 $7x - \frac{x}{3}$.
5. Sum of three consecutive even integers.
 $2x + (2x + 2) + (2x + 4)$.

Convert the following mathematical expressions into statements:

6. $\frac{x}{6x-5}$.
"The quotient of a number and the quantity 'six times the number minus five'."
7. $2 + \frac{100}{x}$.
"The sum of two and the quotient of one hundred and a number."
8. $5 + \frac{1}{2}x$.
"The sum of five and one-half of a number."
9. $2 + \frac{100}{x}$.
"The sum of two and the quotient of one hundred and a number."
10. $x(5 - x) + \frac{10}{x}$.
"The product of a number and the quantity 'five minus the number' plus the quotient of ten and the number."

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