22. [Algebra - Substitution]

Skill 22.1 Substituting into expressions involving + and -

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Substituting into an expression means replacing the letters (pronumerals) with numbers and follow the order of operations.

- Q. If x = 3, find the value of: = 3 + 4 Substitute x with 3. Add 3 and 4. = 7
- Q. If m=6 and n=2, find the value of: m-n+m+4 Substitute m with 6 and n with 2. Working from left to right, take 2 from 6. Add 4 and 6 and 4.
- a) If t = 7, find the value of: t + 5 b) If r = 8, find the value of: t + 3 c) If p = 5, find the value of: t + 3 t + 4 t + 4 t + 5 t + 5 t + 6 t + 7 t + 8
- d) If a = 6, find the value of: a + a + 4 e) If h = 3, find the value of: h + h + h + 9 find the value of: k + k + 9 k = 6 + 6 + 9 6 = 21 6 = 21 6
- i) If s = 9 and t = 2, find the value of: s t + s + 4 | If y = 8 and z = 5, find the value of: 12 y + 7 z | I) If a = 6 and b = 3, find the value of: 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b | 9 + a + a b |