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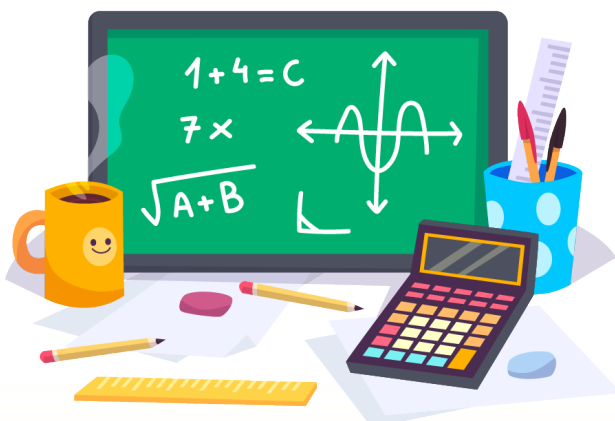
Solving Equations Worksheets

- 1) For $x = 7$, find the value of the following expression:
 $10x + 5$
- 2) Find the value of the following expression $\frac{2x+20+3x}{3}$ for
 $x = 2$
- 3) Evaluate the given expression $\frac{24+21x}{5x} + 9$ for $x = 1$
- 4) Evaluate:

a) pqr	for $p = 2, q = 4, r = 6$
b) $abc(a + b + c)$	for $a = 5, b = 10, c = 15$
- 5) Simplify the given expressions:

a) $4x^2 + 3x + 3$	for $x = 2$
b) $7m^4 + 3$	for $m = 3$
c) $2p^3 + 3p^2 + 2$	for $p = 5$
- 6) Evaluate the given expressions:

a) $2x + 3y$	for $x = 2, y = 3$
b) $3p + 7q + 4$	for $p = 1, q = 2$
c) $6s + 7t$	for $s = 9, t = 7$
- 7) Evaluate the following polynomial $x^2 + 16y^2 + 17y^0 + 3x^3$ for $x = 3, y = 1$
- 8) Evaluate the given the expression $\frac{4x^3+x+2}{x+13}$ for $x = 4$



9) Simplify the following algebraic expressions $(12y)^2 + (2y)^3 + 2$ for $y = 3$

10) Evaluate the following expression $9xy + 12x^2y^4 + 7x^2y^3$ for $x = 4, y = 1$



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"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1)	75
2)	10
3)	18
4)	$\frac{53}{114}$
5)	1514
6)	340
7)	191
8)	$\frac{53}{114}$
9)	1514
10)	340

FUN FACT

1. A mathematical equation is an expression containing two mathematical objects connected by an equals sign ($=$).
2. An algebraic equation is an equation in which both sides are polynomials.
3. A differential equation is a functional equation involving derivatives of the unknown functions

