



VIDYA BHAWAN, BALIKA VIDYAPITH

Shakti Utthan Ashram, Lakhisarai-811311(Bihar)

(Affiliated to CBSE up to +2 Level)

CLASS: VII

SUB.: MATHS

DATE: 20-05-2021

Simple Equations

- Complete the last column of the table.

S. No.	Equation	Value	Say, whether the equation is satisfied. (Yes/No)
(i)	$x + 3 = 0$	$x = 3$	By putting $x = 3$, L.H.S. = $3 + 3 = 6 \neq$ R.H.S. \therefore No, the equation is not satisfied.
(ii)	$x + 3 = 0$	$x = 0$	Do your self
(iii)	$x + 3 = 0$	$x = -3$	Do your self
(iv)	$x - 7 = 1$	$x = 7$	Do your self
(v)	$x - 7 = 1$	$x = 8$	By putting $x = 8$, L.H.S. = $8 - 7 = 1 =$ R.H.S. \therefore Yes, the equation is satisfied.
(vi)	$5x = 25$	$x = 0$	Do your self
(vii)	$5x = 25$	$x = 5$	Do your self
(viii)	$5x = 25$	$x = -5$	Do your self
(ix)	$\frac{m}{3} = 2$	$m = -6$	Do your self
(x)	$\frac{m}{3} = 2$	$m = 0$	Do your self
(xi)	$\frac{m}{3} = 2$	$m = 6$	Do your self

2. Check whether the value given in the bracket is a solution or not

- a) $2x + 4 = 15$ ($x = 2$)
b) $7x + 15 = 45$ ($x = 5$)
c) $7x + 2 = 23$ ($x = 3$)
d) $\frac{4x}{5} + 2 = 6$ ($x = 5$)
e) $4x - 5 = 23$ ($x = 7$)

3. Write the mathematical expression for the following statement:

- a) The sum of twice x and 4 is 24.
b) 3 subtracted from $4x$ is 9.
c) The number z divided by 7 gives 63.
d) 4 taken away from one-fourth of p gives 10.
e) If we take seven from $4b$ times y we get 21.