

Swami Samarth Coaching Classes

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Name: _____ Date: _____

Topic: Verifying Solutions to Equations

Instructions: Write Yes/No in the last column of the given table to indicate whether the given value satisfies the equation.

S.No.	Equation	Value of the variable	Equation satisfied (Yes/No)
a.	$x + 7 = 12$	$x = 5$	
b.	$x + 7 = 12$	$x = 19$	
c.	$y - 4 = 10$	$y = 6$	
d.	$y - 4 = 10$	$y = 14$	
e.	$4p = 20$	$p = 16$	
f.	$4p = 20$	$p = 5$	
g.	$\frac{m}{3} = 6$	$m = 2$	
h.	$\frac{m}{3} = 6$	$m = 18$	
i.	$2k + 3 = 11$	$k = 4$	
j.	$2k + 3 = 11$	$k = 7$	

S.No.	Equation	Value of the variable	Equation satisfied (Yes/No)
k.	$15 - z = 8$	$z = 7$	
l.	$15 - z = 8$	$z = 23$	
m.	$\frac{n}{5} - 2 = 1$	$n = 5$	
n.	$\frac{n}{5} - 2 = 1$	$n = 15$	
o.	$7a = 42$	$a = 6$	

Answer Key (For Teacher Reference)

S.No.	Equation	Value of the variable	Equation satisfied (Yes/No)
a.	$x + 7 = 12$	$x = 5$	Yes
b.	$x + 7 = 12$	$x = 19$	No
c.	$y - 4 = 10$	$y = 6$	No
d.	$y - 4 = 10$	$y = 14$	Yes
e.	$4p = 20$	$p = 16$	No
f.	$4p = 20$	$p = 5$	Yes
g.	$\frac{m}{3} = 6$	$m = 2$	No
h.	$\frac{m}{3} = 6$	$m = 18$	Yes
i.	$2k + 3 = 11$	$k = 4$	Yes
j.	$2k + 3 = 11$	$k = 7$	No
k.	$15 - z = 8$	$z = 7$	Yes
l.	$15 - z = 8$	$z = 23$	No
m.	$\frac{n}{5} - 2 = 1$	$n = 5$	No

S.No.	Equation	Value of the variable	Equation satisfied (Yes/No)
n.	$\frac{n}{5} - 2 = 1$	$n = 15$	Yes
o.	$7a = 42$	$a = 6$	Yes