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17. $13 = \frac{t}{7}$

t=

18. $\frac{m}{5} = 11$

m=

19. $8.5x = 51$

x=

20. $6y = 42$

y=

21. $18 = \frac{r}{3}$

r=

22. $144 = 12x$

x=

NAME _____ DATE _____

Determine if each solution is true. Explain your reasoning.

23. Is $g = 20$ a solution to the equation $10g = 2000$?

$10 \cdot 20 \stackrel{?}{=} 2000$

$200 \neq 2000$

The value $g = 20$ is not a solution to $10g = 2000$.

24. Is $t = 7$ a solution to the equation $64 = 9t$?

25. Is $n = 78$ a solution to the equation $\frac{n}{6} = 13$?

26. Is $x = 140$ a solution to the equation $26 = \frac{x}{5}$?

27. Is $y = 19$ a solution to the equation $2y = 38$?

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28. Is $q = 5$ a solution to the equation $13 = \frac{52}{q}$?

29. Is $m = 8$ a solution to the equation $189 = 21m$?

30. Is $x = 252$ a solution to the equation $\frac{x}{14} = 18$?