

Two-Step Equations

A Famous Equation

Find each solution.

A. $2a + 9 = 37$; $a =$ _____

N. $6.2 = 0.5n + 3.2$; $n =$ _____

D. $51 = 6d - 21$; $d =$ _____

O. $7o - 40 = 170$; $o =$ _____

E. $4e + 6.5 = 12.1$; $e =$ _____

P. $\frac{p}{3} - \frac{5}{8} = 2\frac{3}{8}$; $p =$ _____

F. $\frac{f}{2} - 3 = 2$; $f =$ _____

Q. $167 = 67 + 4q$; $q =$ _____

G. $5g + \frac{1}{2} = 3$; $g =$ _____

R. $\frac{7}{8}r + 6 = 20$; $r =$ _____

H. $194 = 10h - 6$; $h =$ _____

S. $1.2s - 4 = 14$; $s =$ _____

I. $\frac{i}{6} + 25 = 28$; $i =$ _____

T. $233 = 17 + 9t$; $t =$ _____

L. $0.5 = \frac{l}{4} - 0.2$; $l =$ _____

U. $\frac{u}{0.3} - 15 = 55$; $u =$ _____

M. $3m - 42 = 15$; $m =$ _____

Y. $5 = \frac{y}{10} + 1\frac{1}{2}$; $y =$ _____

One of the most famous equations is $E = mc^2$. Find each solution below.

Write the letter of the exercise above the matching solution to find out what $E = mc^2$ means.

_____ 1.4 _____ 6 _____ 1.4 _____ 16 _____ $\frac{1}{2}$ _____ 35 _____ 1.4 _____ 25 _____ 21 _____ 14 _____ 2.8 _____ 15 _____ 19 _____ 14 _____ 15 _____ 15

_____ 24 _____ 18 _____ 19 _____ 1.4 _____ 15 _____ 24 _____ 20 _____ 1.4 _____ 15 _____ 25 _____ 21 _____ 14 _____ 16 _____ 1.4 _____ 30 _____ 10

_____ 24 _____ 20 _____ 1.4 _____ 15 _____ 9 _____ 1.4 _____ 1.4 _____ 12 _____ 30 _____ 10 _____ 2.8 _____ 18 _____ $\frac{1}{2}$ _____ 20 _____ 24