

key

Why Do Girls Like Guys Who Wear Shirts With Eight Buttons?

Solve each equation below and find your solution at the bottom of the page. Write the letter of that equation above the solution.

- (E) $4(5n - 7) = 10n + 2$ $n = 3$
- (N) $9(x + 3) = 4x - 3$ $x = -6$
- (A) $2(12 - 8x) = x - 11x$ $x = 4$
- (H) $3t + 8(2t - 6) = 2 + 14t$ $t = 10$
- (E) $2v + 18 = 16 - 4(v + 7)$ $v = -5$
- (I) $4x - (9 - 3x) = 8x - 1$ $x = -8$
- (T) $12(3 + y) = 5(2y + 8)$ $y = 2$
- (A) $-7(1 - 4m) = 13(2m - 3)$ $m = -16$
- (Y) $9(11 - k) = 3(3k - 9)$ $k = 7$
- (S) $4x + 5(7x - 3) = 9(x - 5)$ $x = 1$
- (T) $2(6d + 3) = 18 - 3(16 - 3d)$ $d = -12$
- (F) $8(4u - 1) - 12u = 11(2u - 6)$ $u = 29$
- (C) $-5 - (15y - 1) = 2(7y - 16) - y$ $y = -1$



T	H	E	Y		F	A	C	S	I	N	A	T	E
2	10	3	7	9	29	4	-1	1	-8	-6	-16	-12	-5

$$\begin{aligned} \textcircled{E} \quad 20n - 28 &= 10n + 2 \\ 10n - 28 &= 2 \\ 10n &= 30 \\ n &= 3 \end{aligned}$$

$$\begin{aligned} \textcircled{N} \quad 9x + 27 &= 4x - 3 \\ 5x + 27 &= -3 \\ 5x &= -30 \\ x &= -6 \end{aligned}$$

$$\begin{aligned} \textcircled{A} \quad 24 - 16x &= -10x \\ -6x &= -24 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} \textcircled{H} \quad 3t + 16t - 48 &= 2 + 14t \\ 19t - 48 &= 2 + 14t \\ 5t - 48 &= 2 \\ 5t &= 50 \\ t &= 10 \end{aligned}$$

$$\begin{aligned} \textcircled{E} \quad 2v + 18 &= 16 - 4v - 28 \\ 6v + 18 &= -12 \\ 6v &= -30 \\ v &= -5 \end{aligned}$$

$$\begin{aligned} \textcircled{I} \quad 4x - 9 + 3x &= 8x - 1 \\ 7x - 9 &= 8x - 1 \\ -8 &= x \\ x &= -8 \end{aligned}$$

$$\begin{aligned} \textcircled{T} \quad 36 + 12y &= 10y + 40 \\ 36 + 2y &= 40 \\ 2y &= 4 \\ y &= 2 \end{aligned}$$

$$\begin{aligned} \textcircled{A} \quad -7 + 28m &= 26m - 39 \\ -7 + 2m &= -39 \\ 2m &= -32 \\ m &= -16 \end{aligned}$$

$$\begin{aligned} \textcircled{Y} \quad 99 - 9k &= 9k - 27 \\ 99 &= 18k - 27 \\ 126 &= 18k \\ k &= 7 \end{aligned}$$

$$\begin{aligned} \textcircled{S} \quad 4x + 35x - 15 &= 9x - 45 \\ 39x - 15 &= 9x - 45 \\ 30x &= 30 \\ x &= 1 \end{aligned}$$

$$\begin{aligned} \textcircled{T} \quad 12d + 6 &= 18 - 48 + 9d \\ 3d + 6 &= -30 \\ 3d &= -36 \\ d &= -12 \end{aligned}$$

$$\begin{aligned} \textcircled{F} \quad 32u - 8 - 12u &= 22u - 66 \\ 20u - 8 &= 22u - 66 \\ -2u - 8 &= -66 \\ -2u &= -58 \\ u &= 29 \end{aligned}$$

$$\begin{aligned} \textcircled{C} \quad -5 - 15y + 1 &= 14y - 32 - y \\ -15y - 4 &= 13y - 32 \\ -28y &= 28 \\ y &= -1 \end{aligned}$$