

What Is the Advantage of Buying a Magnetic Bulletin Board?

Solve each equation and find your solution below. Cross out the box containing that solution. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

- ① $3(5x - 4) = 8x + 2$ $x = 2$
- ② $9(n + 3) = 7n - 3$ $n = -15$
- ③ $2(10 - 6x) = x - 8x$ $x = 4$
- ④ $5a + 4(3a - 8) = 4 + 13a$ $a = 9$
- ⑤ $2y + 18 = 12 - 6(y + 7)$ $y = -6$
- ⑥ $x - (5 - 3x) = 7x + 4$ $x = -3$
- ⑦ $8(m - 5) = 2(3m - 8)$ $m = 12$
- ⑧ $-4(3 - 6d) = 9(2d - 2)$ $d = 1$
- ⑨ $7(10 - 3w) = 5(15 - 4w)$ ~~$w = 15$~~ $w = -5$
- ⑩ $6t + 3(5t - 4) = 12(2t - 5)$ $t = 16$
- ⑪ $2(9x - 1) = 99 - 7(3 - 4x)$ $x = -8$
- ⑫ $6(5k - 8) - 20 = 11(2k - 3) + 3k$ $k = 7$
- ⑬ $-x - (13 + 4x) = -3(5 - 9x) + 2$ $x = 0$



QU	IT	HA	I	NG	SA	IS	ST	IC	AC	AN	D	OC	KS	FR	OM	S	CO	EE	FR
4	-2	-5	-11	12	7	2	13	0	-18	-1	-6	16	25	50	-3	-8	-15	11	9
IT IS T A C K S F R E E																			

$$9) 7(10-3w) = 5(15-4w)$$

$$70 - 21w = 75 - 20w$$

$$-75 = w$$

$$10) 6t + 3(5t-4) = 12(2t-5)$$

$$6t + 15t - 12 = 24t - 60$$

$$21t - 12 = 24t - 60$$

$$48 = 3t$$

$$16 = t$$

$$11) 2(9x-1) = 99-7(3-4x)$$

$$18x - 2 = 99 - 21 + 28x$$

$$18x - 2 = 78 + 28x$$

$$-80 = 10x$$

$$-8 = x$$

$$12) 6(5k-8) - 20 = 11(2k-3) + 3k$$

$$30k - 48 - 20 = 22k - 33 + 3k$$

$$30k - 68 = 25k - 33$$

$$5k = 35$$

$$k = 7$$

$$13) -x - (13+4x) = -3(5-9x) + 2$$

$$0 = 32x$$

$$-x - 13 - 4x = -15 + 27x + 2$$

$$0 = x$$

$$-13 - 5x = -13 + 27x$$

$$-5x = 27x$$

$$1) 3(5x-4) = 8x+2$$

$$15x-12 = 8x+2$$

$$7x = 14$$

$$x = 2$$

$$2) 9(n+3) = 7n-3$$

$$9n+27 = 7n-3$$

$$30 = -2n$$

$$-15 = n$$

$$3) 2(10-6x) = \frac{x}{8} - 8x$$

$$20 - 12x = -7x$$

$$20 = 5x$$

$$4 = x$$

$$4) 5a + 4(3a-8) = 4 + 13a$$

$$5a + 12a - 32 = 4 + 13a$$

$$17a - 32 = 4 + 13a$$

$$-36 = -4a$$

$$9 = a$$

$$5) 2y + 18 = 12 - 6(y+7) \quad 6) x - (5-3x) = 7x+4$$

$$2y + 18 = 12 - 6y - 42$$

$$2y + 18 = -6y - 30$$

$$8y = -48$$

$$y = -6$$

$$x - 5 + 3x = 7x + 4$$

$$-5 + 4x = 7x + 4$$

$$-9 = 3x$$

$$-3 = x$$

$$7) 8(m-5) = 2(3m-8)$$

$$8m - 40 = 6m - 16$$

$$2m = 24$$

$$m = 12$$

$$8) -4(3-6d) = 9(2d-2)$$

$$-12 + 24d = 18d - 18$$

$$6d = -6$$

$$d = -1$$