




### Solving Equations (Tile Practice)

	Question	Steps	Solution
1	$3x + 4 = 10$	Remove 4  from each side, put in to 3 rows	$x = 2$
2	$2x + 4 = 12$		
3	$5x + 3 = 13$		
4	$12 = 3x + 6$		
5	$4x - 3 = 5$		
6	$2x - 4 = 8$		
7	$5 = -3 + 2x$		
8	$8 - 3x = -4$		
9	$7 = 5 - 2x$		
10	$3x + 4 = 2x + 9$		
11	$x - 7 = 2x - 13$		
12	$3(2x - 4) = 6$		
13	$3(1 - x) = 2(7 - 2x)$		
14	$2x + 7 = 1$		
15	$4 = 8 + 2x$		
16	$5 - 3x = 11$		
17	$2(3 - 2x) = 14$		
18	$3x + 2 - x + 7 - 3 = 3 + x + 5 + 3x$		
19	$3(1 - 3x) = 4(4 + x)$		
20	$\frac{1}{2}x = 5$		

Answers:

1. 2
2. 4
3. 2
4. 2
5. 2
6. 6
7. 4
8. 4
9. -1
10. 5
11. 6
12. 3
13. 11
14. -3
15. -2
16. -2
17. -2
18. -1
19. -1
20. 10