

Solving Equations

- You should notice a pattern to the answers on the front and a different pattern to the answers on the back of this worksheet.
- If you work things out correctly, the answer to #8 (which is -8, that is negative 8) will break the pattern slightly.

1. $17x + 45 = 62$

9. $76 = 6x + 22$

2. $7x - 9 = 5$

10. $48 = 8x - 32$

3. $4x + 38 = 50$

11. $7x + 4 = 81$

4. $-8x + 75 = 43$

12. $5x + 4 = 64$

5. $-3x - 9 = -24$

13. $3x + 4 = 43$

6. $11x + 108 = 174$

14. $51 = 6x - 33$

7. $10x - 45 = 25$

15. $8x - 18 = 102$

8. $-12x - 150 = -54$

16. $-5x + 239 = 159$

17. $3x + 17 = 44$

25. $6x - 54 = 0$

18. $2x - 11 = 7$

26. $2x + 11 = 29$

19. $8x + 42 = 114$

27. $13x - 254 = -137$

20. $-3x + 50 = 23$

28. $-6x + 80 = 26$

21. $7x - 12 = 51$

29. $36 = 5x - 9$

22. $69 = 2x + 51$

30. $105 = 7x + 42$

23. $12x - 94 = 14$

31. $-10x + 50 = -40$

24. $40 = -4x + 76$

32. $5x + 74 = 119$