

Grade 7 Expressions & Equations Timed Drill

Expressions & Equations • Grade 7 • Timed Drill • Set C • CCSS 7.EE.1

Name: _____

Date: _____

Start the timer, then solve as many problems as you can. Write your time in the box when you finish.

TIMED DRILL	Time: _____ min _____ sec	Score: _____ / 60
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1. Simplify: $-7x + 1 + 9x + 1$
2. Evaluate $x^2 + 13$ when $x = 3$.
3. Solve: $x + -3 = -1$
4. Simplify: $5x + (-9) + 8x + (-5)$
5. Evaluate $2x - 9$ when $x = -5$.
6. Solve: $x - 9 = 3$
7. Simplify: $1x + (-6) + 5x + 4$
8. Evaluate $4x - 7$ when $x = -3$.
9. Solve: $x + 7 = 2$
10. Simplify: $-5x + (-2) + (-2)x + (-2)$
11. Evaluate $x^2 + 5$ when $x = -5$.
12. Solve: $x + 1 = -11$
13. Simplify: $-3x + 6 + 4x + 2$
14. Evaluate $x^2 + 3$ when $x = -6$.
15. Solve: $x - 11 = -16$
16. Simplify: $3x + 6 + 9x + 4$
17. Evaluate $x^2 + 16$ when $x = -1$.
18. Solve: $1x = -10$
19. Simplify: $4x + 2 + (-3)x + (-9)$
20. Evaluate $5x + 9$ when $x = 2$.
21. Solve: $x - -1 = -10$

22. Simplify: $-9x + 2 + 1x + 4$

23. Evaluate $8x - 10$ when $x = -4$.

24. Solve: $x + -11 = -10$

25. Simplify: $7x + 2 + (-2)x + 9$

26. Evaluate $x^2 + 15$ when $x = 2$.

27. Solve: $x - -10 = 13$

28. Simplify: $-5x + (-6) + 1x + 1$

29. Evaluate $x^2 + 10$ when $x = -4$.

30. Solve: $x - -10 = 14$

31. Simplify: $1x + 6 + (-6)x + 1$

32. Evaluate $4x - 18$ when $x = -9$.

33. Solve: $-1x = 1$

34. Simplify: $-8x + 2 + 9x + 1$

35. Evaluate $5x - 1$ when $x = -8$.

36. Solve: $x \div -2 = -7$

37. Simplify: $3x + (-4) + (-1)x + 7$

38. Evaluate $7x + 9$ when $x = 7$.

39. Solve: $x + 4 = 12$

40. Simplify: $5x + (-9) + 4x + 6$

41. Evaluate $2x - 4$ when $x = -4$.

42. Solve: $x + -10 = -11$

43. Simplify: $4x + 5 + 4x + (-6)$

44. Evaluate $5x - 14$ when $x = 1$.

45. Solve: $x \div 1 = 6$

46. Simplify: $-4x + (-8) + (-2)x + 1$

47. Evaluate $5x - 4$ when $x = -9$.

48. Solve: $x - -10 = 6$

49. Simplify: $-4x + (-6) + (-2)x + 7$

50. Evaluate $x^2 + 14$ when $x = -3$.

51. Solve: $x + 1 = 11$

52. Simplify: $-6x + (-2) + (-9)x + 1$

53. Evaluate $x^2 + 10$ when $x = 9$.

54. Solve: $x + 9 = 21$

55. Simplify: $-2x + (-5) + (-5)x + (-5)$

56. Evaluate $3x + 11$ when $x = 6$.

57. Solve: $1x = 4$

58. Simplify: $7x + (-2) + 5x + 6$

59. Evaluate $x^2 + 15$ when $x = -8$.

60. Solve: $-8x = 88$

Answer Key

Grade 7 Expressions & Equations Timed Drill — Set C

1. $2x + 2$	21. $x = -11$	41. -12
2. 22	22. $-8x + 6$	42. $x = -1$
3. $x = 2$	23. -42	43. $8x - 1$
4. $13x - 14$	24. $x = 1$	44. -9
5. -19	25. $5x + 11$	45. $x = 6$
6. $x = 12$	26. 19	46. $-6x - 7$
7. $6x - 2$	27. $x = 3$	47. -49
8. -19	28. $-4x - 5$	48. $x = -4$
9. $x = -5$	29. 26	49. $-6x + 1$
10. $-7x - 4$	30. $x = 4$	50. 23
11. 30	31. $-5x + 7$	51. $x = 10$
12. $x = -12$	32. -54	52. $-15x - 1$
13. $x + 8$	33. $x = -1$	53. 91
14. 39	34. $x + 3$	54. $x = 12$
15. $x = -5$	35. -41	55. $-7x - 10$
16. $12x + 10$	36. $x = 14$	56. 29
17. 17	37. $2x + 3$	57. $x = 4$
18. $x = -10$	38. 58	58. $12x + 4$
19. $x - 7$	39. $x = 8$	59. 79
20. 19	40. $9x - 3$	60. $x = -11$