

Grade 7 Expressions & Equations Timed Drill

Expressions & Equations • Grade 7 • Timed Drill • Set B • 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: $-4x + 9 + (-1)x + (-8)$

2. Evaluate $x^2 + 20$ when $x = -2$.

3. Solve: $x - -3 = -6$

4. Simplify: $8x + 6 + 9x + 8$

5. Evaluate $x^2 + 5$ when $x = -1$.

6. Solve: $x + -4 = 4$

7. Simplify: $4x + (-2) + 9x + (-6)$

8. Evaluate $x^2 + 6$ when $x = -6$.

9. Solve: $x + -1 = 8$

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

11. Evaluate $2x + 13$ when $x = -5$.

12. Solve: $x + 4 = -3$

13. Simplify: $-6x + (-2) + 1x + 5$

14. Evaluate $8x + 10$ when $x = -9$.

15. Solve: $x \div 6 = -8$

16. Simplify: $3x + (-8) + 5x + 9$

17. Evaluate $5x + 20$ when $x = 5$.

18. Solve: $x + -8 = -12$

19. Simplify: $3x + 5 + 2x + (-5)$

20. Evaluate $3x - 19$ when $x = 1$.

21. Solve: $x + -8 = -6$

22. Simplify: $3x + 4 + (-2)x + (-7)$

23. Evaluate $6x - 8$ when $x = 6$.

24. Solve: $x + -9 = -21$

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

26. Evaluate $3x - 8$ when $x = 5$.

27. Solve: $x \div 5 = -8$

28. Simplify: $3x + 4 + (-6)x + (-7)$

29. Evaluate $3x - 14$ when $x = -2$.

30. Solve: $-2x = 14$

31. Simplify: $1x + (-5) + 7x + (-5)$

32. Evaluate $4x + 4$ when $x = -6$.

33. Solve: $x + 3 = 11$

34. Simplify: $-2x + (-1) + (-4)x + 5$

35. Evaluate $9x - 18$ when $x = 8$.

36. Solve: $3x = 15$

37. Simplify: $8x + (-6) + (-2)x + 2$

38. Evaluate $9x - 9$ when $x = -9$.

39. Solve: $x + -8 = -17$

40. Simplify: $6x + 8 + 2x + 9$

41. Evaluate $5x + 6$ when $x = -7$.

42. Solve: $x - -3 = 12$

43. Simplify: $9x + (-1) + (-6)x + (-5)$

44. Evaluate $6x - 7$ when $x = -7$.

45. Solve: $x - -8 = 5$

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

47. Evaluate $x^2 + 4$ when $x = -1$.

48. Solve: $x \div -4 = 3$

49. Simplify: $-8x + (-5) + (-6)x + (-7)$

50. Evaluate $x^2 + 11$ when $x = 7$.

51. Solve: $x \div 7 = -1$

52. Simplify: $4x + (-5) + 4x + (-7)$

53. Evaluate $3x - 17$ when $x = 2$.

54. Solve: $x - -3 = 4$

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

56. Evaluate $5x + 7$ when $x = 7$.

57. Solve: $x - -1 = 2$

58. Simplify: $-5x + 9 + (-4)x + 2$

59. Evaluate $9x + 16$ when $x = 1$.

60. Solve: $x \div -9 = -6$

Answer Key

Grade 7 Expressions & Equations Timed Drill — Set B

1. $-5x + 1$	21. $x = 2$	41. -29
2. 24	22. $x - 3$	42. $x = 9$
3. $x = -9$	23. 28	43. $3x - 6$
4. $17x + 14$	24. $x = -12$	44. -49
5. 6	25. $-11x - 9$	45. $x = -3$
6. $x = 8$	26. 7	46. $-9x - 11$
7. $13x - 8$	27. $x = -40$	47. 5
8. 42	28. $-3x - 3$	48. $x = -12$
9. $x = 9$	29. -20	49. $-14x - 12$
10. $-13x - 2$	30. $x = -7$	50. 60
11. 3	31. $8x - 10$	51. $x = -7$
12. $x = -7$	32. -20	52. $8x - 12$
13. $-5x + 3$	33. $x = 8$	53. -11
14. -62	34. $-6x + 4$	54. $x = 1$
15. $x = -48$	35. 54	55. $9x + 4$
16. $8x + 1$	36. $x = 5$	56. 42
17. 45	37. $6x - 4$	57. $x = 1$
18. $x = -4$	38. -90	58. $-9x + 11$
19. $5x$	39. $x = -9$	59. 25
20. -16	40. $8x + 17$	60. $x = 54$