

Grade 8 Ratios & Proportions Timed Drill

Ratios & Proportions • Grade 8 • Timed Drill • Set B • CCSS 7.RP.2

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

1. Solve: $8/x = 56/49$

2. 80 miles in 5 hours = _____
miles per hour

3. $8:6 = ___:18$

4. Solve: $9/8 = 36/x$

5. 240 pages in 10 days = _____
pages per day

6. $4:7 = 8:___$

7. Solve: $x/12 = 35/84$

8. 440 pages in 11 days = _____
pages per day

9. $7:1 = 49:___$

10. Solve: $2/3 = 12/x$

11. 259 miles in 7 hours = _____
miles per hour

12. $5:2 = 35:___$

13. Solve: $7/x = 35/5$

14. \$55.00 for 11 items =
\$_____ per item

15. $4:2 = 20:___$

16. Solve: $10/1 = x/7$

17. \$14.00 for 2 items =
\$_____ per item

18. $2:8 = ___:24$

19. Solve: $4/x = 32/16$

20. \$45.00 for 5 items =
\$_____ per item

21. $6:6 = 48:___$

22. Solve: $8/x = 64/24$

23. 93 miles in 3 hours = ____
miles per hour

24. $7:8 = 21: \underline{\hspace{1cm}}$

25. Solve: $x/4 = 48/32$

26. 580 pages in 10 days = ____
pages per day

27. $4:9 = 8: \underline{\hspace{1cm}}$

28. Solve: $4/5 = x/20$

29. 32 pages in 4 days = ____
pages per day

30. $9:6 = 54: \underline{\hspace{1cm}}$

31. Solve: $3/x = 27/27$

32. \$342.00 for 6 items =
\$ ____ per item

33. $3:3 = \underline{\hspace{1cm}}:24$

34. Solve: $x/7 = 27/21$

35. 242 pages in 11 days = ____
pages per day

36. $3:6 = \underline{\hspace{1cm}}:48$

37. Solve: $8/12 = x/72$

38. 115 miles in 5 hours = ____
miles per hour

39. $6:4 = 48: \underline{\hspace{1cm}}$

40. Solve: $1/x = 2/2$

41. \$112.00 for 7 items =
\$ ____ per item

42. $1:1 = \underline{\hspace{1cm}}:4$

43. Solve: $10/12 = 20/x$

44. \$295.00 for 5 items =
\$ ____ per item

45. $8:4 = 56: \underline{\hspace{1cm}}$

46. Solve: $x/8 = 64/64$

47. \$530.00 for 10 items =
\$ ____ per item

48. $5:3 = 25: \underline{\hspace{1cm}}$

49. Solve: $7/4 = x/16$

50. 273 pages in 7 days =
____ pages per day

51. $8:6 = \text{____}:24$

52. Solve: $3/x = 6/12$

53. \$80.00 for 10 items =
\$____ per item

54. $2:1 = 8:\text{____}$

55. Solve: $x/1 = 16/2$

56. 92 pages in 2 days = ____
pages per day

57. $7:1 = 42:\text{____}$

58. Solve: $6/11 = 42/x$

59. 160 pages in 8 days =
____ pages per day

60. $4:5 = 28:\text{____}$

Answer Key

Grade 8 Ratios & Proportions Timed Drill — Set B

1. $x = 7$	21. 48	41. 16.00
2. 16	22. $x = 3$	42. 4
3. 24	23. 31	43. $x = 24$
4. $x = 32$	24. 24	44. 59.00
5. 24	25. $x = 6$	45. 28
6. 14	26. 58	46. $x = 8$
7. $x = 5$	27. 18	47. 53.00
8. 40	28. $x = 16$	48. 15
9. 7	29. 8	49. $x = 28$
10. $x = 18$	30. 36	50. 39
11. 37	31. $x = 3$	51. 32
12. 14	32. 57.00	52. $x = 6$
13. $x = 1$	33. 24	53. 8.00
14. 5.00	34. $x = 9$	54. 4
15. 10	35. 22	55. $x = 8$
16. $x = 70$	36. 24	56. 46
17. 7.00	37. $x = 48$	57. 6
18. 6	38. 23	58. $x = 77$
19. $x = 2$	39. 32	59. 20
20. 9.00	40. $x = 1$	60. 35