

Answers for Lesson 1-7, pp. 40–41 Exercises

1. A value is a solution if it makes the equation true.
2. Div. Prop. of Eq.
3. Add. Prop. of Eq.
4. Mult. Prop. of Eq.
5. Subtr. Prop. of Eq.
6. no
7. yes
8. yes
9. yes
10. no
11. no
12. 340
13. -5
14. -153
15. 572
16. -27
17. -35
18. -9.8
19. 60
20. 26
21. 5
22. 108
23. -33
24. $-\frac{1}{2}$
25. -6
26. -23
27. 2
28. 3
29. -5
30. 31 students
31. $4r = 44$; 11 teeth
32. 47.6 kilograms
33. Division by zero is undefined.
34. a. Check students' work.
b. Check students' work.
35. \$5.34
36. 4 weeks
37. 7
38. -29.16
39. 750
40. 42.12
41. 360 tickets; check students' work.
42. 3 students
43. D
44. J
45. A
46. 4.9
47. 8.4
48. 27.9