

Answers for Lesson 1-6, pp. 35–36 Exercises

1. Answers may vary. Sample: An equation has an equal sign, but an expression does not.
2. 17 3. $y - 4 = 8$ 4. no 5. yes
6. no 7. no 8. yes 9. yes
10. -11 11. 54 12. -35 13. 0
14. -22 15. 46 16. 35 17. -16
18. 27 19. -5 20. 21 21. -11
22. -79 23. -34 24. -13 25. 13
26. 53 27. -71
28. $x + 450 = 512$; \$62 29. 1,905,000 people
30. -3°F 31. -3, 3 32. -1, 1 33. -3, 1
34. \$5.55 35. 13 lb
36. Check students' work. Sample: You have an amount of money *a*. After you get another \$8.40, you have a total of \$11.55. How much did you start with?
37. 5.55 38. -2.7 39. -5.6
40. All values of x ; by the Subtr. Prop. of Eq., $x + 15 - 15 = x + 6 + 9 - 15$.
So $x = x$. This statement is true for all values of x .
41. D 42. F 43. D
44. -9 45. -21 46. -58
47. -15