Answers for Lesson 1-5, pp. 29–30 Exercises

1. 1
2. Ident. Prop. of Add.
3. Comm. Prop. of Mult.
4. Assoc. Prop. of Add.
5. Comm. Prop. of Add.
6. Assoc. Prop. of Mult.
7. Ident. Prop. of Mult.
8. 19
9. −17
10. 600
11. (27 + 73)2
12. 155
13. 132
14. 488
15. −54
16. −21
17. −22
18. 24,500
19. 430
20. −3,400
21. $5a + 30$
22. $7b - 63$
23. $-4t - 12$
24. $9v - 18$
25. $32 + 4r$
26. $-2w + 22$
27. 15
28. 4.5
29. 7.92
30. $13.96
31. no
32. no
33. $22.80
34. a. yes

    b. $.05 change
35. Answers may vary. Sample: mental math;
    $4(5.98) = 4(6 - 0.02) =$
    $24 - 0.08 = 23.92$
36. −390
37. 23,200
38. 6.69 s
39. Answers may vary. Sample: I would use the Comm. Prop. of Add. to get $(-68) + (-32) + 6(-99)$. This simplifies to $-100 + 6(-99)$. Then I would use the Dist. Prop. to get $-100 + (-594)$. This simplifies to −694.
40. Answers may vary. Sample: The Comm. Prop. of Add. applies only if all the operations are addition.
41. No; 20 lb is 320 oz. Two dozen cans weigh 360 oz.
42. C
43. G
44. D
45. 36
46. −24
47. 60

© Pearson Education, Inc., publishing as Pearson Prentice Hall. All rights reserved.