

## Answer Key

1. about \$416

2. \$464.25

3.

5

4. -4

5. -360

6. 8

7. -19

8. -9

9. 140

10. 4

11. 26

12. -17

13. 56

14. -9

15.  $\frac{2}{9}$

16. 4

17. 62

18. 5

5 mm

5 millimeters

19. 22.0 cm; 38.5 cm<sup>2</sup>

20. 13.5 m

13.5

13.5 meters

21. -46

22. -59

23. 10

24. -19

25. -4

26. 7

27. 5

28.  $226.2 \text{ in.}^2$

226.2 sq in.

226.2

226.2 square in.

226.2 square inches

29. a

30. c

31. c

32. -5

33. \$295.77

34.

\$258

35.

-3

36. b

37. b

38.

$x = 5$

39.

$n = -24$

40.

$x = 10$

41.

$x = -12$

42.  $\frac{14}{3}$

43.  $\frac{7}{5}$

44.

45.

Yes

46.  $2 \cdot 3 \cdot 43$

47.  $2^2 \cdot 3^2 \cdot 23$

48.  $-\frac{4}{5}$

49.  $\frac{2}{5}$

50.  $\frac{17}{18}$

51.  $\frac{1}{6}$

52.  $\frac{2}{7}$

53.  $\frac{3}{100}$

54.  $-\frac{2}{5}$

55.  $\frac{1}{3}$

56.  $-\frac{17}{36}$

57.  $\frac{77}{60}$

58. b

59.  $\frac{3}{5}$

60. a.  $\frac{7}{20}$

b.  $\frac{2}{5}$

c. \$10,600

61.  $A = \frac{1}{7}$  sq ft.

$P = \frac{53}{35}$  ft or  $1\frac{18}{35}$  ft

62. -\$3.15

63. \$165

64. 19 feet below sea level

65. 110 feet

66. 5

67. 19.08

68. -13

69. a. 14.5

b. 37.475

70. estimate; about 10 mi

71. exact; \$1.99

72. a. <

b. >

73. a.  $\frac{78}{125}$

b.  $-40\frac{13}{25}$

74. a. -0.28

b. 0.533

75. d

76. c

77. a

78. 184 square feet

79. 18 in.; 13.5 in<sup>2</sup>

80. 78.5 in.; 490.9 in<sup>2</sup>

81. a) 21,392.8 sq ft

b) 856 oz of insecticide

82. c

83. b

84. a

85. b

86. Additive Inverse Property

87. Commutative Property of Addition

88. Associative Property of Addition

89. Identity property of addition

90. d

91. b

92. d

93. c

94. 56.1

95. 16%

96. 17.5%  
17.5

97. b

98. a

99. c

100. b

101. -64

102. -2401

103. 54

104. 48