Answer Key

1. $\frac{4}{4}$
2. $\frac{2}{6}$
3. $\frac{6}{6}$
4. $\frac{2}{4}$
5. $\frac{4}{5}$
6. $\frac{4}{4}$
7. $\frac{4}{4}$
8. $\frac{4}{4}$
9. $\frac{3}{5}$
10. $\frac{3}{4}$
11. 1
12. 2
13. 4
14. $\frac{1}{3}$
15. $\frac{1}{9}$
16. $\frac{2}{7}$
17. $\frac{3}{6}$
18. $\frac{4}{6}$
19. $1\frac{2}{8}$
20. $1\frac{3}{7}$
21. 8
22. 27
23. 90
24. 75
25. 9
26. 14
27. 30
28. 18
29. 6
30. 18
31. $\frac{11}{2}$
    $5\times2 + 1 = 11$
32. $\frac{28}{3}$
    $9\times3 + 1 = 28$
33. $\frac{17}{4}$
    $4\times4 + 1 = 17$
34. $\frac{23}{4}$
    $5\times4 + 3 = 23$
35. $\frac{18}{5}$
    $3\times5 + 3 = 18$
36. $\frac{23}{6}$
    $3\times6 + 5 = 23$
37. $\frac{26}{7}$
    $3\times7 + 5 = 26$
38. $\frac{39}{8}$
    $4\times8 + 7 = 39$
39. $\frac{26}{9}$
    $2\times9 + 8 = 26$
40. $\frac{59}{10}$
    $5\times10 + 9 = 59$
41. $5\frac{1}{2}$
    $11\div2 = 5\ r\ 1$
42. $6\frac{1}{2}$
    $13\div2 = 6\ r\ 1$
43. $7\frac{1}{2}$
    $15\div2 = 7\ r\ 1$
44. $7\frac{1}{3}$
    $22\div3 = 7\ r\ 1$
45. $7\frac{2}{3}$
    $23\div3 = 7\ r\ 2$
46. $8\frac{1}{3}$
    $25\div3 = 8\ r\ 1$
47. $7\frac{1}{4}$
    $29\div4 = 7\ r\ 1$
48. $7\frac{3}{4}$
    $31\div4 = 7\ r\ 3$
49. $4\frac{2}{5}$
    $22\div5 = 4\ r\ 2$
50. $4\frac{4}{5}$
    $24\div5 = 4\ r\ 4$
51. $\frac{3}{4}$
52. $\frac{3}{6} = \frac{1}{2}$ mile

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53. $\frac{5}{8}$
54. $\frac{7}{5}$
55. $\frac{9}{8}$
56. $\frac{7}{6}$
57. $\frac{7}{10}$
58. $\frac{2}{12} = \frac{1}{6}$
59. $\frac{5}{6}$
60. $\frac{3}{4}$
61. 7
62. (a) 7×2 = 14
    (b) 7 + 1 = 8
63. 18 - 9 = 9
64. 19 – 9 = 10
    10÷2 = $5
65. 1 + 4 = 5
    9 - 3 = 6
    or
    3 + 6 = 9
    5 – 4 = 1
66. 1 dollar = 4 quarters
    4 - 1 = 3
    3×7 = 21 quarters
67. 80÷4 = 20
    20 - 5 = 15
68. 1800×$\frac{1}{3}$ = $600
69. 1 - $\frac{2}{5} = \frac{3}{5}$
    60÷3×5 = 100
70. 15×6 = 90 sq. inches
71. 36÷4 = 9
    9×9 = 81 sq. inches
72. 20 - 3 = $17.00
73. 320÷16 = $20
74. 315 - 133 = 182
75. 5×16 = 80 sq. feet
76. 120÷4 = 30 trees
77. 23 + 28 - 39 = 12
78. 20×12×2 = $480
79. 10×6 = 60
    60 + 35 = 95
    95×20 = 1900 = $19.00
80. 2500 - 500 = 2000
    2000÷40 = 50 lawns
81. 12:00 - 7:30 = 4:30 or 4.5 hours
    6×4.5 = $27
82. 30×2 = 60
    2×60 = <u>$120</u>
83. $\frac{3}{30} = \frac{1}{10}$ = 1/10
84. 1 - $\frac{1}{3} = \frac{2}{3}$
    15×$\frac{2}{3}$ = 10
85. 6×12$\frac{1}{2}$ = 75
    75÷5 = 15 ounces
86. 18×5¢ = 90¢
    150 - 90 = 60
    60÷2 = <u>30¢</u>
87. $\frac{1}{2}$(26) + 4 = 17
    26 - 17 = 9
88. 4.5×16 = $72
89. 9×31 = <u>279</u>
90. 5 - 2.9 = 2.1
    2.1÷7 = 0.3
    5 - 3×0.3 = $4.10
91. 35 + 3 = 38
    2×38 = <u>76</u>
92. C
    Think about 12 hot dogs
    C: 2×4 = $8 ✓
    D: 3×3 = $9
    E: 4.25×2 = $8.50
93. 46 = 25 + 20 + 1
    = 1 quarter + 2 dimes + 1 penny
    Ans = 4 coins
94. 22
95. $\frac{1}{3}$×600 = 200
    600 - 200 = <u>400</u>
96. 24÷3×2 = 16
97. 2×12 = 24 inches
98. 5×12 + 10 = 70 inches
99. $\frac{1}{3}$×12 = 4
    12 - 4 = 8
100. 320 (Double each time.)

Answer Key

1. 62
2. 74
3. 51
4. 57
5. 13
6. 52
7. 76
8. $15\frac{1}{4}$
9. $22\frac{2}{3}$
10. $25\frac{1}{2}$
11. 9/8
12. 4/5
13. 7/9
14. 5/6
15. 4/9
16. 7/6
17. 2/9
18. 5/9
19. 2/3
20. 3/7

21. $\frac{20}{3}$
22. $\frac{65}{9}$
23. $\frac{35}{11}$
24. $\frac{22}{5}$
25. $\frac{37}{6}$
26. $\frac{30}{7}$
27. $\frac{35}{8}$
28. $\frac{34}{9}$
29. $\frac{13}{2}$
30. $\frac{37}{12}$
31. $\frac{21}{2} = 10\frac{1}{2}$
32. $\frac{26}{3} = 8\frac{2}{3}$
33. $\frac{37}{4} = 9\frac{1}{4}$
34. $\frac{26}{5} = 5\frac{1}{5}$
35. $\frac{25}{6} = 4\frac{1}{6}$
36. $\frac{47}{6} = 7\frac{5}{6}$
37. $\frac{19}{8} = 2\frac{3}{8}$
38. $\frac{56}{9} = 6\frac{2}{9}$
39. $\frac{43}{10} = 4\frac{3}{10}$
40. $\frac{56}{11} = 5\frac{1}{11}$

41. 4.5
42. 6.5
43. 1.25
44. 3.5
45. 9.75
46. 2.25
47. 3.5
48. 2.5
49. 5.5
50. 4.25
51. $\frac{33}{4}$
52. $\frac{7}{4}$
53. $\frac{17}{8}$
54. $\frac{19}{2}$
55. $\frac{13}{4}$
56. $\frac{37}{4}$
57. $\frac{11}{2}$
58. $\frac{103}{10}$
59. $\frac{49}{5}$
60. $\frac{29}{20}$

61. $\frac{1}{5}$
62. $\frac{16}{45}$
63. $\frac{3}{8}$
64. 7/8
65. $\frac{3}{5}$
66. $\frac{4}{5}$
67. 8/21
68. $\frac{3}{5}$
69. $\frac{3}{4}$
70. $\frac{5}{6}$
71. $5\frac{5}{6}$
72. $6\frac{5}{6}$
73. $9\frac{1}{6}$
74. $4\frac{2}{7}$
75. $4\frac{7}{8}$
76. $5\frac{1}{8}$
77. $2\frac{5}{8}$
78. $3\frac{7}{9}$
79. $3\frac{8}{9}$
80. $4\frac{2}{9}$

81. $\frac{2}{3}$
82. $\frac{1}{8}$
83. $\frac{7}{10}$
84. $\frac{9}{20}$
85. $\frac{14}{25}$
86. $\frac{7}{36}$
87. $\frac{7}{60}$
88. $\frac{8}{75}$
89. $\frac{2}{3}$
90. $\frac{5}{6}$
91. 21 + 3 = 24 (Quin)
    24÷3 = 8 (Rachel)
92. 4.50 × 2 = 9
    2×9 = 18
    20 – 18 = $2
93. $\frac{1}{3}$×5280 = 1760 feet
94. 10 – 3×2.5 = 10 – 7.5 = $2.50
95. 100 + 8×60 = $580
96. Δ÷7 = 12 ⇒ Δ = 84
97. □×4 = 28 ⇒ □ = 7
98. □ ÷ 4 = 28 ⇒ □ = 112
99. □ + 12 = 17 ⇒ □ = 5
100. 2×□ + 3 = 15 ⇒ 2×□ = 12 ⇒ □ = 6

101. 8:25 pm – 4:30 = 3:55 pm

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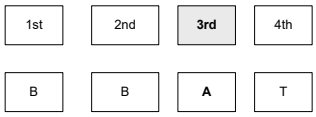
102. 5:30 pm – 8:40 am
= 17:30 – 8:40
= 8:50
= 8 hr & 50 min

103. 4.50×2+1.35×4 =
9+5.40
= $\underline{\$14.40}$

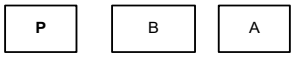
104. 10 – 2.3×3 = 10 – 6.9
= $3.10

105. 17 + 14 – 7 = 24

106. See the diagram below. Bart could be the $\underline{\text{first}}$ $\underline{\text{or}}$ $\underline{\text{second}}$ place.



107. Pam, Bart, Angela, and Trisha



108. You may solve the problem by completing the table.

8			
	4		
		7	
			15

109. 9:00 + 7:30 = 16:30 = 4:30 pm

110. 5:45 pm = 17:45
17:45- 7:30 = 10:15 am

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Answer Key

1. 2/5
2. 3/14
3. 4/27
4. 5/42
5. 6/17
6. 7/58
7. 8/33
8. 9/64
9. 9/17
10. 7/6
11. 46 1/14
12. 64 1/15
13. 73 1/35
14. 28 7/18
15. 21 7/18
16. 26 23/30
17. 23 5/32
18. 53 4/9
19. 24 4/9
20. 19 4/15

21. 7 1/3
22. 11 2/3
23. 3 3/4
24. 5 2/5
25. 7 1/6
26. 3 3/7
27. 4 3/8
28. 4 7/9
29. 4 7/10
30. 4 1/12
31. 1/6
32. 11/24
33. 19/140
34. 23/48
35. 31/108
36. 37/60
37. 47/108
38. 53/120
39. 7/60
40. 9/28

41. 1/3
42. 8/3
43. 5/4
44. 23/5
45. 23/3
46. 37/5
47. 4 11/25
48. 5 3/20
49. 6 16/25
50. 7 9/20
51. 105
52. 72
53. 300
54. 15
55. 1 7/8 pounds
56. 2 feet
57. 80
58. 48
59. 16
60. 5 hours

61. 4/15
62. 5/24
63. 13/15
64. 1 3/8
65. 77 5/8
66. 11/12
67. 7 5/12
68. 4
69. 8
70. 12
71. 7
72. 4/5
73. 1/15
74. 90
75. 18
76. 25
77. 18
78. 8
79. 5
80. 3/5

81. 3/7
82. 2 2/5
83. 12 2/7
84. 20 2/3
85. 16 1/3
86. 45 3/5
87. 33 3/4
88. 53 1/3
89. 29 1/2
90. 70
91. 70
92. 72
93. B, cheaper
94. 9 8 0 1
95. 4.5 hrs
96. 40 min
97. 1440 min
98. 12 (qt)
99. 300 (in)
100. 15 min

1. 150
2. 9 (ft^2)
3. 32 m^2
4. $10
5. 25%
6. 136 ft
7. 10.4 lb

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Answer Key

1. 7
2. –10
3. 20
4. 19
5. 3
6. 2
7. 0
8. –6
9. –12
10. –17
11. 12
12. 2
13. –28
14. –34
15. –14
16. –7
17. –1
18. 3
19. $\frac{2}{3}$
20. $\frac{3}{11}$
21. $\frac{4}{23}$
22. $\frac{5}{37}$
23. $\frac{6}{11}$
24. $\frac{7}{51}$
25. $\frac{8}{25}$
26. $\frac{9}{55}$
27. $\frac{9}{25}$
28. 6
29. 0.08
30. 125
31. 125
32. 0.15
33. 25
34. 50
35. 0.7
36. 4
37. 0.024
38. 50
39. 0.4375
40. 16.25
41. 16.25
42. 32.5
43. 4.125
44. 17
45. 95
46. 151.6
47. 60.8
48. 65
49. $3\frac{49}{96}$
50. $2\frac{1}{24}$
51. $24\frac{37}{300}$
52. $1\frac{14}{15}$
53. $35\frac{19}{72}$
54. $25\frac{67}{360}$
55. $13\frac{17}{42}$
56. $36\frac{17}{54}$
57. $46\frac{47}{90}$
58. $37\frac{25}{96}$
59. 12
60. 12
61. 49
62. 24
63. 6
64. 9
65. 7
66. 5
67. 8
68. 10
69. 6
70. 4
71. 3
72. 2
73. -5
74. -2
75. 7
76. 3
77. 5
78. 3
79. 0
80. 25
81. 50
82. 17
83. 20
84. 28
85. 13
86. 0
87. 89
88. 36
89. {1, 2, 3, 4, 6, 8, 12, 16, 24, 48}
90. {1, 2, 3, 6, 9, 18, 27, 54}
91. {1, 2, 4, 7, 8, 14, 28, 56}
92. {1, 3, 7, 9, 21, 63}
93. {1, 2, 3, 6, 11, 22, 33, 66}
94. {1, 2, 5, 7, 10, 14, 35, 70}
95. {1, 3, 6, 14, 28, 84}
96. {1, 5, 25, 125}
97. {1, 2, 3, 5, 6, 10, 15, 25, 30, 50, 75, 150}
98. { 21, 51, 81, 91}
99. 184 ÷ 8 = 23 miles per gallon
100. 18×3 = 54
     15×2 = 30
     54 + 30 = 84 mi
101. (a) 40 × 3 = 120 (mi)
     (b) 240 ÷ 40 = 6 (hrs)
102. 300-60 = 240
     240÷5 = $48
103. 60÷30 = 20 (groups)
     20×5 = 100 pinches
     or
     $60\times\frac{5}{3}$ = 100 pinches
104. (210÷3)×5 = 350
105. 120÷5 = 24 mi/gal
106. 35÷5 = $7
     12×7 = $84
107. 45÷3 = 15
     720÷15 = 48 (hrs)
     48÷8 = 6 days
108. 15 + 7.5 + 6 = $28.50

Answer Key

1. -0.6
2. -7
3. 0.5
4. -1.25
5. 0.5
6. 2
7. -9.6
8. 2
9. 9
10. $\frac{1}{3}$
11. $(-2)^2 = 4$
12. $(x^{-1})^2 = (\frac{1}{x})^2 = \frac{1}{x^2}$
13. $\frac{x^4}{x^6} = \frac{1}{x^2}$
14. 3^3
15. $\frac{8}{125}$
16. $\frac{-x^5}{32}$
17. $\frac{1}{16x^4}$
18. $\frac{16}{x^4}$
19. $\frac{-1}{32x^5}$
20. $-32x^5$

21. -1
22. 1
23. 1/64
24. $\frac{1}{(-2x)^3} = \frac{1}{-8x^3}$
25. 1
26. $\frac{4}{9}$
27. $\frac{-1}{t^6}$
28. $\frac{1}{(-2x)^4} = \frac{1}{16x^4}$
29. $2x^{15}$
30. $n = 3$
31. $x^2 - 13x + 40$
32. $x^2 - 11x + 24$
33. $x^2 - 5x - 24$
34. $x^2 - 10x + 16$
35. $x^2 - 6x - 16$
36. $x^2 - 7x - 8$
37. $3x^2 + 16x + 16$
38. $9x^2 - 9x - 10$
39. $6x^2 + 17x + 5$
40. $12x^2 + 19x + 4$

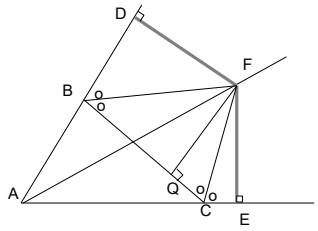
41. 75, –120, 30
42. 12, 84, 22
43. 27, –144, 3
44. 48, 168, 16
45. 12, 108, 20
46. 4, 1, –0.3, –30.36
47. 4, 1, 0.2, 1.84
48. 4, 1, 0.5, 29
49. 4, 4, –1, 26
50. 4, 2, 3, –26
51. $36x^4y^2z^2$
52. $80x^5y^4z^6$
53. $2z^2$
54. $8x^4z^3$
55. $7\frac{1}{2}xy^4z^2$
56. $\frac{4}{3}x^2y^4z^2$
57. $3\frac{3}{4}\frac{x^2}{z}$
58. $3xy^2$
59. xz^3
60. $\frac{3}{4}yz^2$

61. 1.2×10^{-2}
62. 2.25×10^{2}
63. 2.7×10^{-14}
64. 2.25×10^{10}
65. 2.16×10^{-4}
66. 3.5×10^{4}
67. 6.25×10^{5}
68. 2.56×10^{-7}
69. 1×10^{3}
70. 1.2×10^{-5}
71. $21
72. 33%
73. 660÷33% = 2000
74. 260 pounds
75. 80
76. 33 1/3%
77. 47
78. (a) G (b) 140 - 100 = 40.00
79. $70.00
80. 16.30×500 = $8,150

81. 8150×2% = $163
82. (16.30×500)×2%
    = 16.30×(500×2%)
    = 16.3×(5×2)
    = 16.3×10
    = $163.00
83. 2000×0.8 = 1600 (selling price)
    1600×0.05 = 80 (tax)
    1600 +80 = $1680
84. (90,000÷100)×0.40 = 360
    360×5 = $1800.00
85. 18000÷180000 = 10%
86. 180000×25% = 45000
    18000÷45000 = 18÷45
    = 2÷5 = 0.4 = 40%
87. 35%×120 = 0.35×120
    = 3.5×12 = 7×6 = 42
88. $1200\times\frac{1}{4} = 300$
    $300\times12\frac{1}{3}\% = 3\times12\frac{1}{3}$
    = 36 + 1 = $37.00
89. 20% = depreciation each year
    20%×2 = 40%
    1 – 40% = 60%
    4000×60% = $\underline{\$2400}$
90. 1 - 20% = 0.8 (after loss)
    4,000×0.8 = $3,200 (after the first year)
    3,200×0.8 = $2,560 (after the second year)

Answer Key

1. 123
2. 97
3. 30
4. C
5. D
6. 156
7. 54
8. C
9. D
10. 54
11. -0.6
12. -7
13. 0.5
14. -1.25
15. 0.5
16. 2
17. -9.6
18. 2
19. 9
20. $\frac{1}{3}$
21. 4
22. ¼
23. 3^3
24. -1
25. 1
26. $\frac{8}{125}$
27. $\frac{x^4}{x^6} = \frac{1}{x^2}$
28. $\frac{-x^5}{32}$
29. $\frac{1}{16x^4}$
30. $\frac{16}{x^4}$
31. $\frac{-1}{32x^5}$
32. $-32x^5$
33. 1/64
34. $\frac{1}{(-2x)^3} = \frac{1}{-8x^3}$
35. 1
36. $\frac{4}{9}$
37. $\frac{-1}{t^6}$
38. $\frac{1}{(-2x)^4} = \frac{1}{16x^4}$
39. $-2(-x^5)^3 = -2(-x^{15}) = 2x^{15}$
40. $n = 3$
41. $36x^4y^2z^2$
42. $80x^5y^4z^6$
43. $2z^2$
44. $8x^4z^3$
45. $7\frac{1}{2}xy^4z^2$
46. $\frac{4}{3}x^2y^4z^2$
47. $3\frac{3}{4}\frac{x^2}{z}$
48. $3xy^2$
49. xz^3
50. $\frac{3}{4}yz^2$
51. 1.2×10^{-2}
52. 2.25×10^2
53. 2.7×10^{-14}
54. 2.25×10^{10}
55. 2.16×10^{-4}
56. 3.5×10^4
57. 6.25×10^5
58. 2.56×10^{-7}
59. 1×10^3
60. 1.2×10^{-5}
61. 15° and 75°
62. $\sqrt{3}$
63. 2
64. 2
65. $\sqrt{2}+\sqrt{6}$
    $BD^2 = BC^2 + CD^2$
    $= 1^2 + (2+\sqrt{3})^2$
    $= 8 + 4\sqrt{3}$
    $= 8 + 2\sqrt{12}$
    $= (\sqrt{2} + \sqrt{6})^2$
    $BD = \sqrt{2} + \sqrt{6}$
66. $1:(2+\sqrt{3}):(\sqrt{2}+\sqrt{6})$
67. 3
68. $3\sqrt{3}$
69. $2\sqrt{3}$
70. $4\sqrt{3}$
71. $6\sqrt{3}$
72. 12
73. $\frac{3+4\sqrt{3}}{2\sqrt{3}+6+6\sqrt{3}} = \frac{3+4\sqrt{3}}{6+8\sqrt{3}} = \frac{1}{2}$
74. $\frac{3+4\sqrt{3}}{12+3\sqrt{3}} = \frac{1}{\sqrt{3}}$
75. $21 + 15\sqrt{3}$
76. $36 + \frac{57\sqrt{3}}{2}$
    $\frac{1}{2}BD \times AC$
    $= \frac{1}{2}(3+4\sqrt{3})(12 + 3\sqrt{3})$
    $= \frac{1}{2}(72 + 57\sqrt{3})$
    $= 36 + \frac{57\sqrt{3}}{2}$
77. 22.5° and 67.5°
78. 1
79. $\sqrt{2}$
80. $\sqrt{2}$
81. $\sqrt{4 + 2\sqrt{2}}$
    $BD^2 = BC^2 + CD^2$
    $= 1^2 + (1+\sqrt{2})^2$
    $= 4 + 2\sqrt{2}$
    $BD = \sqrt{4 + 2\sqrt{2}}$
82. $1:(1+\sqrt{2}):\sqrt{4 + 2\sqrt{2}}$
83. Draw FD, FQ, and FE perpendicular to AD, BC, and AC respectively. Since CF bisect ∠QCE, FE = FQ using the previous theorem. Similarly, FD = FQ since BF bisects ∠DBQ. Now that FD = FQ = FE, we know that AF is the angle bisector of the ∠DAE using converse of the previous theorem.



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Answer Key

1. -0.6
2. -7
3. 0.5
4. -1.25
5. 0.5
6. 2
7. -9.6
8. 2
9. 9
10. $\frac{1}{3}$
11. 4
12. ¼
13. 3^3
14. -1
15. 1
16. $\frac{8}{125}$
17. $\frac{x^4}{x^6} = \frac{1}{x^2}$
18. $\frac{-x^5}{32}$
19. $\frac{1}{16x^4}$
20. $\frac{16}{x^4}$
21. $\frac{-1}{32x^5}$
22. $-32x^5$
23. 1/64
24. $\frac{1}{(-2x)^3} = \frac{1}{-8x^3}$
25. 1
26. $\frac{4}{9}$
27. $\frac{-1}{t^6}$
28. $\frac{1}{(-2x)^4} = \frac{1}{16x^4}$
29. $-2(-x^5)^3 = -2(-x^{15}) = 2x^{15}$
30. $n = 3$
31. 75, –120, 30
32. 12, 84, 22
33. 27, –144, 3
34. 48, 168, 16
35. 12, 108, 20
36. 4, 1, –0.3, –30.36
37. 4, 1, 0.2, 1.84
38. 4, 1, 0.5, 29
39. 4, 4, –1, 26
40. 4, 2, 3, –26
41. $36x^4y^2z^2$
42. $80x^5y^4z^6$
43. $2z^2$
44. $8x^4z^3$
45. $7\frac{1}{2}xy^4z^2$
46. $\frac{4}{3}x^2y^4z^2$
47. $3\frac{3}{4}\frac{x^2}{z}$
48. $3xy^2$
49. xz^3
50. $\frac{3}{4}yz^2$
51. 3×10^{11}
52. 6.3×10^9
53. 7.2×10^{19}
54. 1×10^{12}
55. 8.1×10^{14}
56. 5×10^{44}
57. 1.44×10^{15}
58. 1.6×10^{19}
59. 5×10^{24}
60. 2.56×10^{25}
61. 1 + 5% = 1.05 (including tax)
    8×2.5 = 20
    20×1.05 = $21
62. 60%×55%
    = 0.6×0.55
    = 0.33
    = 33%
63. 660÷33% = 2000
64. 1 + 30% = 1.3
    200×1.3 = 260 pounds
65. 1 - (58% + 12%) = 0.3
    80×0.3 = 24
    or
    24÷0.3 = 80
66. $\frac{1}{3} = 33\frac{1}{3}\% = 33\ 1/3\%$
67. 1 - 95% = 5% = 0.05
    0.05×940 = 0.5×94 = $\frac{1}{2}$×94 = 47
68. 2750 - 350 = 2400
    2400÷12 = 200 (dozen)
    200×0.7 = 140
    (a) G
    (b) 140 - 100 = 40.00
69. 1 + 30% = 1.3
    70×1.3 = 91
    or
    91÷1.3 = $70.00
70. 16.30×500 = $8,150
71. 8150×2% = ₱163
72. (16.30×500)×2%
    = 16.30×(500×2%)
    = 16.3×(5×2)
    = 16.3×10
    = $163.00
73. 2000×0.8 = 1600 (selling price)
    1600×0.05 = 80 (tax)
    1600 +80 = $1680
74. (90,000÷100)×0.40 = 360
    360×5 = $1800.00
75. 18000÷180000 = 10%
76. 180000×25% = 45000
    18000÷45000 = 18÷45
    = 2÷5 = 0.4 = 40%
77. 35%×120 = 0.35×120
    = 3.5×12 = 7×6 = 42
78. $1200\times\frac{1}{4} = 300$
    $300\times12\frac{1}{3}\% = 3\times12\frac{1}{3}$
    = 36 + 1 = $37.00
79. 20% = depreciation each year
    20%×2 = 40%
    1 – 40% = 60%
    4000×60% = <u>$2400</u>
80. 1 - 20% = 0.8 (after loss)
    4,000×0.8 = $3,200 (after the first year)
    3,200×0.8 = $2,560 (after the second year)