89. Mark scored 80% on a test.
    a. The test had 25 problems on it. How many problems did Mark have wrong?

    b. Mark had 16 problems right. How many problems were on the test?

    c. Mark had 12 problems wrong. How many problems were on the test?

90. At Corbett High School, 45% of the students take business courses.
    a. Corbett has 1,120 students. How many take business courses?

    b. At Corbett, 783 students take business courses. How many students does Corbett have?

91. A 2-year savings certificate earns 6% interest at the end of each year. A 3-year savings certificate earns 7% interest at the end of each year. You have $5,000 to invest. How much more money would you earn if you invested in the 3-year savings certificate over the 2-year savings certificate?

62. **a.** 7,967 **b.** $6\frac{7}{10}$% or 6.7%

63. 25%

64. **a.** 2% **b.** 50% **c.** 40%

65. **a.** 25% **b.** $62\frac{1}{2}$% **c.** 150%

66. **a.** 5 hours
b. 8 hours 20 minutes
c. 4 hours 48 minutes
d. 3 hours 20 minutes

67. **a.** $16\frac{1}{4}$% **b.** $52

68. 84

69. **a.** 28 **b.** 120 **c.** 640 **d.** 252 **e.** 234

70. **a.** 18 **b.** $13\frac{7}{11}$%

71. **a.** $450 **b.** $3,150 **c.** $2,475

72. **a.** $26 **b.** $52 **c.** $78 **d.** $130

73. **a.** 70% **b.** 30% **c.** $142\frac{6}{7}$% **d.** $42\frac{6}{7}$%

74. **a.** $3,037.50
b. $3,075.47
c. $3,152.83

75. **a.** $2.50 a pound
b. $2.60 a pound
c. $2.80 a pound
d. $2.20 a pound

76. **a.** $1\frac{1}{2}$% **b.** $4.83
c. $4.83 (Note: Such charges are made on the average unpaid balance unless the entire bill is paid. An exception is made if an amount is unpaid because of a dispute in billing.)

77. **a.** $37\frac{1}{2}$%
b. $62\frac{1}{2}$%

78. **a.** See table at right
b. It will be $132.04 higher at the credit union.

79. $1\frac{3}{7}$%

80. $10\frac{7}{8}$%

81. **a.** $66\frac{2}{3}$%
b. $33\frac{1}{3}$%
c. 150% **d.** 50%

82. **a.** $130.74 **b.** $217.75

83. **a.** $2,587.50
b. $14,789.50

84. **a.** $14\frac{2}{7}$%
b. $12\frac{1}{2}$%

85. **a.** $387.95
b. $969.86
c. $969.86
d. $38.79
e. $96.99
f. $135.78
g. $426.74
h. $1,066.85
i. $1,105.64

86. **a.** 400% **b.** 200%
c. $44\frac{4}{9}$%

87. **a.** 3 (Note: You may have to point out to your students that it is not possible to sell just part of a new car.)
b. 128

88. **a.** $55\frac{5}{9}$%
b. $44\frac{4}{9}$%
c. 180%
d. 80%

89. **a.** 5 **b.** 20 **c.** 60

90. **a.** 504 **b.** 1,740

91. $507.22

92. **a.** $14\frac{2}{7}$%
b. $42\frac{6}{7}$%
c. $85\frac{5}{7}$%

93. They total over 100%. (Ask your students why such a result is not possible.)

94. **a.** 3.2 **b.** 50.4 **c.** 7.9 **d.** 127.0

95. **a.** 20% **b.** 6% **c.** 8% **d.** 46% **e.** 13% **f.** 7%

96. **a.** 1.3 pounds
b. 3.7 pounds

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78. a.

End of Quarter Number	BANK		CREDIT UNION	
	Quarterly Interest	Balance	Quarterly Interest	Balance
0	0	$6000.00	0	$6000.00
1	$75.00	6,075.00	$90.00	6,090.00
2	75.94	6,150.94	91.35	6,181.35
3	76.89	6,227.83	92.72	6,274.07
4	77.85	6,305.68	94.11	6,368.18
5	78.82	6,384.50	95.52	6,463.70
6	79.81	6,464.31	96.96	6,560.66
7	80.80	6,545.11	98.41	6,659.07
8	81.81	6,626.92	99.89	6,758.96