



# Questions

Grades 4 - 6

87. A dollar is changed into 9 coins. There are more dimes than nickels and no pennies. How many nickels are there? (Quarters and half-dollars may be used.)
88. Two hamburgers and two colas cost \$4.20. Two orders of french fries and two colas cost \$2.64. If one hamburger, one order of french fries and one cola cost \$2.65, what is the cost of one cola?
89. A container half full with water weighs 12 pounds. One-third of the water in the container is poured out. The container and the remaining water weighs  $9\frac{1}{2}$  pounds. The weight of the container when empty is \_\_\_\_\_?
90. Jill runs 3 times as fast as Sarah. But Alice runs 4 times as fast as Sarah. When Alice and Jill race 60 yards, Jill will be \_\_\_\_\_ yards behind when Alice crosses the 60 yard line.
91. Steve has 8 small cubes all of equal weight and 4 large cubes also of equal weight. One large cube weighs the same as 3 small cubes. If the total weight of all 12 cubes is 10 pounds, the total weight of 2 small cubes plus 1 large cube would be \_\_\_\_\_ pounds.

92. In the addition problem at the right, find the largest possible sum by substituting the digits 1, 3, 5, 7 for the four letters. (A letter represents the same digit every time it appears. Different letters represent different digits.)

$$\begin{array}{r}
 \text{R A T} \\
 \text{B A T} \\
 + \text{T A B} \\
 \hline
 \end{array}$$

93. In the problem at the right, find the number represented by the digits R, S, T.

$$\begin{array}{r}
 \text{R S T} \\
 \times \text{7 4 1} \\
 \hline
 \text{---} \\
 \text{---} \\
 \text{---} \\
 \hline
 \text{--- 1 4 7}
 \end{array}$$