

1. Evan and Paul each counted the amount of money they made shoveling snow. Evan said, "If I give you ten dollars we will have the same amount of money. If you give me ten dollars, I will have three times as much money as you." How much money did Evan have?

\$50. Evan must have \$20 more than Paul (if he gives Paul \$10 they have the same amount). Evan also has \$10 less than a number divisible by 3 (given \$10 he has 3 times as much as Paul). Evan has \$50 and Paul has \$30.

2. A newspaper ran a contest in which awards of \$3 and \$5 could be won. Each person could win only one award. Exactly \$20 was given in \$5 and \$3 awards. At least one \$5 and one \$3 award was given. How many people were given awards?

Six. Five \$3 awards and one \$5 award is the only combination totaling \$20.

3. In the addition problem at the right, find the sum of the digits represented by $B + C$. (Different letters represent different digits. Each time the same letter appears, it represents the same digit.)

$$\begin{array}{r} 2BA \\ + C6D \\ \hline 8AD \end{array}$$

9. In the one's column, since $A + D = D$, $A = 0$. (Property of Zero) In the ten's Column, since $A = 0$, $B = 4$. Since 1 is "carried" in the hundred's column, $C = 5$. $4 + 5 = 9$.