

Problem Set

1. Two numbers have a sum of 1,212 and a difference of 518. What are the two numbers?
2. The sum of the ages of two brothers is 46. The younger brother is 10 more than a third of the older brother's age. How old is the younger brother?
3. One angle measures 54 more degrees than 3 times another angle. The angles are supplementary. What are their measures?
4. Some friends went to the local movie theater and bought four large buckets of popcorn and six boxes of candy. The total for the snacks was \$46.50. The last time you were at the theater, you bought a large bucket of popcorn and a box of candy, and the total was \$9.75. How much would 2 large buckets of popcorn and 3 boxes of candy cost?
5. You have 59 total coins for a total of \$12.05. You only have quarters and dimes. How many of each coin do you have?
6. A piece of string is 112 inches long. Isabel wants to cut it into 2 pieces so that one piece is three times as long as the other. How long is each piece?