

## Problem Solving Problems #1

1. Place 10 stools along 4 walls of a room so that each of the 4 walls has the same number of stools.

2. Solve this cryptarithm, where each letter represents a digit and no digit represents two different letters.

$$\begin{array}{r} \text{U S S R} \\ + \text{U S A} \\ \hline \text{P E A C E} \end{array}$$

3. Scott and Greg were asked to add two whole numbers. Instead, Scott subtracted the two numbers and got 10, and Greg multiplied them and got 651. What was the correct sum?

4. Using a 5-minute and an 8-minute hourglass timers, how can you measure 1 minute exactly?

5. Five friends were sitting on one side of a table. Gary sat next to Bill. Mike sat next to Tom. Howard sat in the third seat from Bill. Gary sat in the third seat from Mike. Who sat on the other side of Tom?