

Box of Numbers!

The challenge is to arrange the following nine numbers in the boxes below so that the sum of each vertical, horizontal, and diagonal row = 75

5 10 15 20 25 30 35 40 45

Circle at least two possible problem-solving strategies to solve this challenge:

1. Act out the problem or situation
2. Make a drawing, sketch, or diagram
3. Create a table or chart
4. Look for a Pattern
5. Make it simpler; break it down into an easier set of problems
6. Guess and then check your guesses to find answers
7. sdrawkcaB kroW (Work Backwards)

What strategy did you use?

Reflect on your mathematical reasoning approach to this problem. After you decided on a strategy, what was your reasoning approach? Did you look for patterns, relationships, or some other math connection? Explain: