



NOETIC LEARNING

## PROBLEM OF THE WEEK

November 24, 2025

### THE PROBLEM:

From the following 9 numbers, how many different ways can you pick 3 different numbers so that their sum is 22?



(Source: [Noetic Learning Math Contest](https://www.noetic-learning.com/math-contest))

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## **THE SOLUTION:**

Since the total is 22 and  $6+7+8 < 22$ , one of the 3 numbers have to be 9. The following are the only 2 possible ways.

- 9, 8, 5
- 9, 7, 6

## **THE ANSWER: 2 POSSIBLE WAYS**