

Snazzy Triangle

There is a number 6 on the tip of the triangle. Arrange the numbers 1, 2, 3, 4 and 5 such that the sum of each side of the triangle is 12.



Extensions:

- Rearrange the numbers 1 through 6 so that the sum of each side of the triangle is 9.
- Rearrange the numbers 1 through 6 so that the sum of each side of the triangle is 10.
- What other numbers is it possible for the three sides to sum to by rearranging the numbers 1 through 6?



The Math in This Problem:

Snazzy Triangle is a simple test on the basic understanding of arithmetic operations. In this investigation, students will work with the numbers 1 through 6 and arrange them on a 6-unit triangle. The order of these numbers will have to be precise so that the sums of each side are equivalent to the numbers that students are presented with.