

**Dan said:**

“I used counters which had 1 to 6 on them. I put the counters in a triangle in any old way, then I added up the sides. Then I moved the counters around to try and get the right total on each side.”

**Emma said:**

“I noticed that three of the numbers are odd (1, 3 and 5) and three of the numbers are even (2, 4, and 6). I thought this might help. I know that 9 is an odd number so it can be made using odd + odd + odd or using even + even + odd.”

**Farah said:**

“If I want a small total on each side, I’ll need small numbers in the corners of the triangle.”

**Can you take each of these starting ideas and develop them into a solution?**