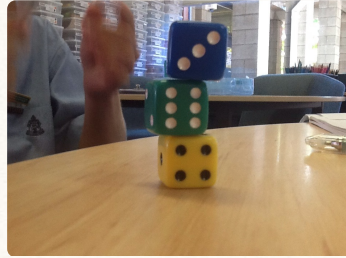


Dice in A Corner



This is the dice in A Corne

What Was The Puzzle?

This puzzle was called 'Dice in a Corner.' You had to try to add up all the die to make exactly eighteen. There is one catch. When you place the three dice down the numbers on the top of the bottom die had to be the same number as the one on the bottom the middle die. It's the same with the middle and the top.

What Did We Do?

Harry and I used lots of

strategies and I will list a few.

We:

Guessed and Checked
Drew a Picture or Graph
Made a List or Table
Looked for a Pattern
Made a Model
Tried all possibilities



What was the
Puzzle

Our Thinking:

To begin with we used guess and check to make a model. We continued this for two answers until we began to look for a patten. Unfortunately we did not find a pattern. As we found more answers we drew 3D models of the three stacks of dice to record them. Once we were confident that we had found all the answers as we had tried all possibilities we made a list to store them neatly.

What Did We Find Out?

Harry Pietch and I found four answers. The first bit at the start where we just were getting used to it took us a long time but eventually cracked that first bit. To crack the first bit we actually made 19, the aim was eighteen, and then we went "Oh" and then it was like putting two and two together.

Answer 1:

This answer was one of the trickiest but we found out by a trial and error. This answer took us around a lot of twists and turns and it eventually led us to the following answer. On the bottom dice the numbers were 3 and 1. On the middle dice the numbers were 1 and 3. On the top dice the numbers were 1 and 4. On the top of all the dice the number was 5.

Answer 2:

This answer was the easiest. This answer came naturally. From the second that we placed the dice the rest of the answer just flowed. The answer is as follows, bottom dice, 2 and 6, middle dice, 2 and 1, top dice, 1 and 2. On the top of all the dice was the number 4.

Answer 3:

This answer took us two days after the first two answers. This answer was by far the trickiest. It was so tricky it took us two whole days to get it. This answer was the most challenging. The answer was as follows: bottom dice the digits were 2 and 1. The middle dice a digits were 5 and 1. On the top dice the digits were 5 and 1. On the top of all the dice was the number 3.

Answer 4:

This answer was, in Harry and my perspective, was the one was between answer 2 and 3. It came pretty much straight after the answer 3. It was pretty much "try this." "oh it works." The answer is as follows. On the bottom dice the digits were 2 and 4. On the middle dice the digits were 4 and 2. On the top dice the digits were 3 and 2. On top of all of those was 1.

Did Any Puzzles or Questions Arise From This Puzzle?

Jack: One new question arose from this puzzle for me. I really have a circulating question from all the puzzles that I do. What exciting puzzles are coming.