

Sealed Solution

Maths Report

What was the puzzle?

- The puzzle made a person arrange where the digits from 0-9 went to in five envelopes. The first envelope had 2 numbers sum up to 7, the second envelope had 2 numbers sum up to 8, the third envelope made 2 numbers sum up to 13, the fourth envelope made 2 numbers sum up to 14 and the fifth envelope summed up 2 numbers to 3.

7

8

13

14

3

What did we do?

- After we understood the problem the strategies we used were:
- Seek an explanation
- Guess, check and improve
- Try all possibilities
- Make a list or table
- Eliminate possibilities
- Break into parts

What did we find out?

- We found out that:
- The 2 numbers that joined to make eight and can be used to make 7,13,14 and 3 were $7+1$
 $8+0$ and $5+3$
- There were more than one possibility

Were there any new puzzles or questions?

- The new puzzles and question we had were:
- What if you had a rule that the envelopes had to be odd and even or a rule like that.