How I worked out the challenge…

- It can't be 6 as the first two clues state the numbers are in the right and wrong place. The 6 doesn't move so it can't be 6. 6 cannot be in the wrong and right place.
- 3rd clue – two digits are right so these must be 0 and 2 as the 6 has been eliminated.
- 4th clue – all digits are wrong so the 7, 3 and 8 can be eliminated.
- 5th clue – 0 is in the wrong place.

- Back to the first clue – 2 is in the right place. __ __ 2
- 3rd clue – the 2 and 0 are right but in the wrong place, so the 0 must be the first digit. 0 __ 2
- 2nd clue – one digit is right but in the wrong place. The two digits left are 1 and 4. As we have already placed the 0 and 2, 4 must go in the middle as it says the digit is in the wrong place. Therefore it cannot be 1 as the 1 is in the middle. 0 4 2