

Corrigendum/Explanation SFG 2025 Level 1 Test 13

There are no changes to the solutions/answers. Explanations have been provided for the students who have raised doubts.

Q.24) There was a doubt raised in Question -

“Identify the wrong number in the given series: 6, 17, 30, 46, 66, 89”

Explanation- Looking at the difference between each number in the series, we find that these are continuous prime numbers, starting with 11.

$$17 - 6 = 11;$$

$$30 - 17 = 13;$$

$$47(\text{instead of } 46) - 30 = 17 (\text{instead of } 16);$$

$$66-47 (\text{instead of } 46) =19 (\text{instead of } 20);$$

$$89 - 66 = 23$$

Hence, 46 is given as the incorrect number in the sequence. Instead, it should be 47.

Also, there was a doubt that when we look at the second level difference there is a pattern that breaks at 89. eg.

$$13-11= 2$$

$$16-13=3$$

$$20-16=4$$

$$23-20=3$$

Here there are 2 things:

- a) We go to the second level only after there is no set pattern we can find at the first level.
- b) We donot know the number after 89, so what is the exact pattern to be followed is not clear. For eg. it can be 2,3,4,3,2. This can also be the pattern. Hence we can conclude conclusively.