

NOTE: In previous mock test, my answers for GSA (Ability portion) were right but still I was able to acquire only 2 out of 5 marks. This time I have tried to give detailed explanation. Is it sufficient for 5 out of 5?

General Science and Ability

—Ans no. 7B—

—(i)—

Data:

Sum of three consecutive odd number = 273

To Find:

Three odd numbers = ?

Solution:

Step 1

Three odd numbers are to be find, so let first odd number as 'x', now if we add 2 and then 4 in the x then we can get 3 consecutive odd numbers.

Three odd numbers are;

$$x, x + 2, x + 4$$

Sum of these three number is 273

Step 2

Adding the numbers, and writing in the form of equation.

$$\underbrace{x}_{1^{\text{st}}} + \underbrace{x+2}_{2^{\text{nd}}} + \underbrace{x+4}_{3^{\text{rd}}} = 273$$

After simplification, the equation becomes

$$3x + 6 = 273$$

$$3x = 273 - 6$$

$$3x = 267$$

$$\cancel{3}x = \frac{\cancel{267}}{\cancel{3}} 89$$

$$x = 89 \longrightarrow \text{First number } \textcircled{1}$$

Now putting the value of x in $x+2$ and $x+4$ to get the other two odd numbers

Step-3

$$2^{\text{nd}} = x + 2 \quad \text{--- } \textcircled{2}$$

$$x = 89 \text{ from eq } \textcircled{1}$$

So, putting x value in eq $\textcircled{2}$

$$= 89 + 2 = 91$$

$$= 91$$

So, second consecutive number (odd) is 91

Similarly putting x value in $3^{\text{rd}} = x+4$

$$3^{\text{rd}} \text{ consecutive number} = x+4$$

$$= 89 + 4$$

$$3^{\text{rd}} = 93$$

Answer:

Three consecutive numbers are 89, 91 and 93.

— (Ans no. 8) —

— (ii) —

(a). 4, 16, 36, 64, ?, 144

Solution:

2×2	4
4×4	16
6×6	36
8×8	64
10×10	100 (Missing)
12×12	144

According to the series, each number of series was multiplied by an identical even number.

Secondly, the series started from the first even number and continued till the 6th

even number (12). Therefore, logically only

100 was the viable missing number.

Answers

4, 16, 36, 64, 100, 144

I have solved only 1 portion of series question out of 5, the main purpose for this assessment is to determine whether my explanation for the ability answer is enough to acquire 5 out of 5?

Yes, you have attempted good