

(Section B)

Question No: 6

General Instructions (a)

Solution:

1. Give numbering to headings
Age of son = 30 year

2. Do not write lengthy paragraphs. Write medium sized paragraphs with headings.
Let age of father = x
Age of son = y

3. Do not use table for comparison and contrast questions.
5 years ago:
Age of father = 3 (age of son)

$$x-5 = 3(y-5)$$

$$x-5 = 3(30-5)$$

$$x-5 = 75$$

$$x = 75+5 = 80 \text{ years}$$

4. Draw figures/diagram/flowchart where needed.

5. Start new question from fresh page.

6. Write unit of the answer in ability section.
So the age of the father is 80 years.

7. Explain mathematical steps and the reasoning for better score.

(ii) 8, 4, 32, 7.5

8. Change colour scheme for references to give them more visibility. In the given series the first two numbers are multiplied and third number is the result of

9. Manage time well. multiplication of first two numbers.

10. Wide page borders are discouraged. Should be reasonable. Similarly, the numbers four and five are multiplied and the result of multiplication is 35

11. Avoid writing wrong references. 8, 4, 32, 7.5 35

12. Give more weightage to expressedly asked part/s of the question.

(c)

Arithmetic mean of 6 numbers = 20

Total numbers = 6

By applying formula of mean

Mean = $\frac{\text{Sum of number}}{\text{Total number}}$

Total number

$$20 = \frac{\text{Sum of numbers}}{6}$$

$$20 \times 6 = \text{Sum of numbers}$$

$$\text{Sum of numbers (x)} = 120$$

When one number is removed from six number then

$$15 = \frac{x-1}{5}$$

$$15 \times 5 = x-1$$

$$75 = x-1$$

$$x = 76$$

Question no: 7

(a)

Diameter of round table = 7m

Diagram?

Distance = ?

Distance of a round table is actually the circumference of the table

$$C = 2\pi r$$

As we know that

$$r = \frac{d}{2} \Rightarrow r = \frac{7}{2} = 3.5$$

By Putting these values into formula

$$C = 2 \times 3.14 \times 3.5$$

$$C = 21.98$$

So the distance covered by a person will be 21.98 m.