Average Ex-11(A) Rule:

1. Find the average of a> 50, 41, 47, 48, 40, 44

Average = Sun of obser

.. Average 2 Sum of observations
No. of observations

2 <u>50 + 41 + 47 + 48 + 40 + 44</u> 6

= 45 Am. 45

d> 24, 21, 26, 25, 18; 20, 27, 23.

Average = Sum of observations.

 $= \frac{24+21+26+25+18+20+27+23}{8}$

= 23

Ams. 23.

e)
$$\frac{3}{8}$$
, $1\frac{1}{4}$, $2\frac{5}{6}$, $4\frac{1}{2}$, $6\frac{4}{3}$

= $\frac{3}{8}$, $\frac{5}{4}$, $\frac{17}{6}$, $\frac{9}{2}$, $\frac{22}{3}$

= $\frac{3}{8}$, $\frac{5}{4}$, $\frac{17}{6}$, $\frac{9}{2}$, $\frac{22}{3}$

The L.c.M of $\frac{2}{8}$

= $\frac{(3\times3)+(5\times6)+(17\times4)+(9\times12)+(22\times8)}{24}$ $\frac{[8,4,6,2,3]}{2[7,1,3,1,3]}$ $\frac{[4,2,3,1,3]}{2[7,1,3,1,3]}$ $\frac{[4,2,3,1,3]}{2[7,1,3,1,3]}$ = $\frac{2\times2\times3\times2}{24}$ = $\frac{3}{24}$ = $\frac{2}{24}$

 $\frac{391}{120} = \frac{391}{340}$

12 90 75 marks in Geograph 3 31 120

2. The trainfall in Janvshedpun for 6 consecutive years was 28.5 cm, 30.25 cm, 32.4 cm, 31.6 cm, 24 cm and 30.25 cm. Find the average trainfall of Janshedpur.

Average traingall = 28.5+30.25+32:4+31:6+24+30.25

= 29.5 cm

Am. Average trainfall is 29.5 cm.

- 3. Find the average of all even numbers between 7 and 2
- -> even numbers: 8,10,12,14, 16,18, 20,22

9. The average mark in 6 subject is = 65

Total mark in 6 subject = $65 \times 6 = 390$

Total marks in different subjects = (64 + 68 + 58 + 55 + 70) = 315

Mark in Geography = 390 - 315 = 75 marks (Ans).

11.) The average age of 10 children =9years9 months (9 x 12 +9 =117 months)

Total age of 10 children = $117 \times 10 = 1170$ months

The average age of 9 children = 8 years 11 moths ($8 \times 12 +11 = 107 \text{ months}$)

Total age of 9 children = $107 \times 9 = 963$ months

Age of the tenth child = 1170 - 963 = 207 months

= 207 / 12

= 17 years 3 months (ans).