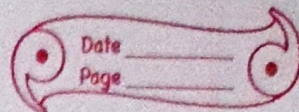


9.11.21

Ex. 11 (A)

1. Find the average of :

$$f) 2\frac{3}{5}, 3\frac{3}{10}, 3\frac{1}{2}, \frac{2}{5}, \frac{9}{10}, 1\frac{1}{2}$$

$$\rightarrow \frac{13}{5} + \frac{33}{10} + \frac{7}{2} + \frac{2}{5} + \frac{9}{10} + \frac{3}{2}$$

$$= \frac{26 + 33 + 35 + 4 + 9 + 15}{10}$$

$$= \frac{122}{10 \times 3} = \frac{61}{30}$$

$$= 2\frac{1}{30}$$

$$g) \frac{7}{12}, 2\frac{5}{6}, 5\frac{3}{4}, \frac{1}{2}, \frac{5}{12}, \frac{1}{6}$$

$$\frac{7}{12} + \frac{17}{6} + \frac{23}{4} + \frac{1}{2} + \frac{5}{12} + \frac{1}{6}$$

$$7 + 34 + 69 + 6 + 5 + 2 = \frac{123}{2} \div 6$$

$$= \frac{41}{24} \quad \frac{123}{12} \times \frac{1}{2} = \frac{41}{24}$$

$$b) \frac{1}{4}, \frac{3}{4}, \frac{1}{2}, \frac{1}{6} + \frac{3}{8}$$

$$= \frac{1}{4} + \frac{3}{4} + \frac{1}{2} + \frac{1}{6} + \frac{3}{8}$$

$$= \frac{6 + 18 + 12 + 4 + 9}{24}$$

$$= \frac{29}{24} \times \frac{1}{5} = \frac{29}{120}$$

$$= \frac{29}{120}$$

3. Find the average of all even no. between 7 and 23

$$\rightarrow \frac{8 + 10 + 12 + 14 + 16 + 18 + 20 + 22}{8}$$

$$= \frac{120}{8} = (15) - \text{Answer}$$

4. Find the average of all odd no. between - 10 and 30

$$11 + 13 + 15 + 17 + 19 + 21 + 23 + 25 + 27 + 29$$

$$= \frac{200}{10} = 20$$