HW

HOMEWORK

9.11.21

Ex. 11 (A)

1. Find the average of :

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

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

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

$= \frac{122}{10 \times 6_3} = \frac{61}{30}$

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

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

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

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

$= 1\frac{17}{24}$ $\qquad \frac{123}{12} \times \frac{1}{6_2} = \frac{41}{24}$

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

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

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

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

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

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