

STD-V

classmate

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Hot question:-

1. Number of tobbes Reema brought = 56
Fraction of tobbes she distributed in her class = $\frac{1}{2}$
Number of tobbes she distributed in class = $\frac{1}{2}$ of 56
$$= \frac{1}{2} \times 56$$
$$= \frac{1 \times 56}{2 \times 1} = \frac{1 \times 28}{1} = 28$$

Fraction of tobbes she gave to her teachers = $\frac{1}{8}$
Number of tobbes she gave to her teachers = $\frac{1}{8}$ of 56
$$= \frac{1}{8} \times 56$$
$$= \frac{1}{8} \times \frac{56}{1}$$
$$= \frac{1 \times 56}{8 \times 1}$$
$$= \frac{7 \times 7}{1 \times 1} = \frac{7}{1} = 7$$

Fraction of tobbes she gave to the children in her bus = $\frac{1}{4}$

Number of tobbes she gave in bus = $\frac{1}{4}$ of 56

$$= \frac{1}{4} \times 56$$
$$= \frac{1}{4} \times \frac{56}{1}$$
$$= \frac{1 \times 56}{4 \times 1} = \frac{1 \times 14}{1 \times 1} = 14$$

Total number of tobbes she distributed = $28 + 7 + 14$
 $= 49$

The required number of tobbes left with her
 $= 56 - 49 = 7$

Ans. She was left with 7 tobbes.

Beyond the chapter :-

Write these fractions in the ancient Egyptian way.

$$\textcircled{1} \quad \frac{5}{12}$$

$$\frac{5}{12} = \left(\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} \right) + \frac{1}{12}$$

$$= \frac{(1+1+1+1)}{12} + \frac{1}{12}$$

$$= \frac{4}{12} + \frac{1}{12}$$

$$= \frac{1}{3} + \frac{1}{12}$$

$$\text{So } \frac{5}{12} = \frac{1}{3} + \frac{1}{12}$$

$$\textcircled{2} \quad \frac{5}{8}$$

$$\frac{5}{8} = \left(\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} \right) + \frac{1}{8}$$

$$= \frac{(1+1+1+1)}{8} + \frac{1}{8}$$

$$= \frac{4}{8} + \frac{1}{8}$$

$$= \frac{1}{2} + \frac{1}{8}$$

$$\text{So } \frac{5}{8} = \frac{1}{2} + \frac{1}{8}$$

$$\textcircled{3} \quad \frac{3}{8}$$

$$\frac{3}{8} = \left(\frac{1}{8} + \frac{1}{8} \right) + \frac{1}{8}$$

$$= \frac{(1+1)}{8} + \frac{1}{8}$$

$$= \frac{2}{8} + \frac{1}{8}$$

$$= \frac{1}{4} + \frac{1}{8}$$

$$\text{So } \frac{3}{8} = \frac{1}{4} + \frac{1}{8}$$

4) $\frac{5}{6}$

$$\frac{5}{6} = \left(\frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} \right) + \frac{1}{6}$$

$$= \left(\frac{1+1+1+1}{6} \right) + \frac{1}{6}$$

$$= \frac{4}{6} + \frac{1}{6}$$

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

$$= \frac{1}{3} + \left(\frac{1}{3} + \frac{1}{6} \right)$$

$$= \frac{1}{3} + \left(\frac{2}{6} + \frac{1}{6} \right)$$

$$= \frac{1}{3} + \left(\frac{2+1}{6} \right)$$

$$= \frac{1}{3} + \frac{3}{6}$$

$$= \frac{1}{3} + \frac{1}{2}$$

$$\text{So } \frac{5}{6} = \frac{1}{3} + \frac{1}{2}$$

5) $\frac{8}{10}$

$$\frac{8}{10} = \left(\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} \right) + \left(\frac{1}{10} + \frac{1}{10} \right) + \frac{1}{10}$$

$$= \frac{1+1+1+1+1}{10} + \frac{1+1}{10} + \frac{1}{10}$$

$$= \frac{5}{10} + \frac{2}{5} + \frac{1}{10}$$

$$= \frac{1}{2} + \frac{1}{5} + \frac{1}{10}$$

$$\text{So } \frac{8}{10} = \frac{1}{2} + \frac{1}{5} + \frac{1}{10}$$