



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV TERM - SECOND SUBJECT- ARITHMETIC ANSWER WORKSHEET – 20 TOPIC – FRACTIONS DATE –18.11.2020

## 1. Add and reduce to the lowest forms.

$$\begin{aligned} \text{a) } & \frac{3}{5} + \frac{2}{8} \\ & = \frac{3 \times 8}{5 \times 8} + \frac{2 \times 5}{8 \times 5} \\ & = \frac{24}{40} + \frac{10}{40} \\ & = \frac{24+10}{40} \\ & = \frac{34}{40} \end{aligned}$$

H. C. F. of 34 and 40 is 2

$$\frac{34}{40} = \frac{34 \div 2}{40 \div 2} = \frac{17}{20}$$

Hence,  $\frac{17}{20}$  is the lowest form of  $\frac{34}{40}$

$$\begin{aligned} \text{b) } & \frac{2}{6} + \frac{4}{10} \\ & = \frac{2 \times 10}{6 \times 10} + \frac{4 \times 6}{10 \times 6} \\ & = \frac{20}{60} + \frac{24}{60} \\ & = \frac{20+24}{60} \\ & = \frac{44}{60} \end{aligned}$$

H. C. F. of 44 and 60 is 4

$$\frac{44}{60} = \frac{44 \div 4}{60 \div 4} = \frac{11}{15}$$

Hence,  $\frac{11}{15}$  is the lowest form of  $\frac{44}{60}$

## 2. Subtract and reduce to the lowest forms.

$$\begin{aligned} \text{a) } & \frac{7}{10} - \frac{3}{5} \\ &= \frac{7 \times 5}{10 \times 5} - \frac{3 \times 10}{5 \times 10} \\ &= \frac{35}{50} - \frac{30}{50} \\ &= \frac{35 - 30}{50} \\ &= \frac{5}{50} \end{aligned}$$

H. C. F. of 5 and 50 is 5

$$\frac{5}{50} = \frac{5 \div 5}{50 \div 5} = \frac{1}{10}$$

Hence,  $\frac{1}{10}$  is the lowest form of  $\frac{5}{50}$

$$\begin{aligned} \text{b) } & \frac{7}{9} - \frac{2}{3} \\ &= \frac{7 \times 3}{9 \times 3} - \frac{2 \times 9}{3 \times 9} \\ &= \frac{21}{27} - \frac{18}{27} \\ &= \frac{21 - 18}{27} \\ &= \frac{3}{27} \end{aligned}$$

H. C. F. of 3 and 27 is 3

$$\frac{3}{27} = \frac{3 \div 3}{27 \div 3} = \frac{1}{9}$$

Hence,  $\frac{1}{9}$  is the lowest form of  $\frac{3}{27}$