



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV TERM – SECOND SUBJECT- ARITHMETIC ANSWER WORKSHEET – 18 TOPIC – FRACTIONS DATE – 04.11.2020

1. Out of 81 students, $\frac{8}{9}$ were absent. How many students were absent and how many were present?

| | |
|--|---------------------|
| Number of students | 81 |
| Number of students were absent | $\frac{8}{9}$ of 81 |
| | $= 81 \div 9 = 9$ |
| | $= 8 \times 9 = 72$ |
| \therefore Number of students were present | $= 81 - 72 = 9$ |

Ans. 72 students were absent and 9 students were present.

2. Convert to like fraction and compare.

a) $\frac{3}{7}$ $\frac{5}{6}$

L. C. M. of 7 and 6 is 42

$$\frac{3}{7} = \frac{3 \times 6}{7 \times 6} = \frac{18}{42}$$

$$\frac{5}{6} = \frac{5 \times 7}{6 \times 7} = \frac{35}{42}$$

Since, $35 > 18$

$$\text{So, } \frac{35}{42} > \frac{18}{42}$$

$$= \frac{5}{6} > \frac{3}{7}$$

Ans. $\frac{5}{6}$ $\frac{3}{7}$

3. Solve:

$$\begin{aligned} \text{a) } 5\frac{2}{3} + 6\frac{3}{7} &= \frac{3 \times 5 + 2}{3} + \frac{7 \times 6 + 3}{7} \\ &= \frac{17}{3} + \frac{45}{7} \\ &= \frac{17 \times 7}{3 \times 7} + \frac{45 \times 3}{7 \times 3} \\ &= \frac{119}{21} + \frac{135}{21} \\ &= \frac{119 + 135}{21} \\ &= \frac{254}{21} \\ &= 12\frac{2}{21} \end{aligned}$$

Ans. $12\frac{2}{21}$

4. There was $\frac{8}{9}$ litres of juice in a bottle. A boy drank $\frac{4}{5}$ litres. How much juice was left in the bottle?

Amount of juice in a bottle

Amount of juice the girl drank

∴ Amount of juice was left

$$\frac{8}{9} \text{ litres}$$

$$\frac{4}{5} \text{ litres}$$

$$= \frac{8}{9} - \frac{4}{5}$$

$$= \frac{8 \times 5}{9 \times 5} - \frac{4 \times 9}{5 \times 9}$$

$$= \frac{40}{45} - \frac{36}{45}$$

$$= \frac{40 - 36}{45}$$

$$= \frac{4}{45}$$

Ans. $\frac{4}{45}$ litres of juice was left in the bottle.