



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV TERM - SECOND SUBJECT- ARITHMETIC ANSWER WORKSHEET – 5 TOPIC – FRACTIONS DATE – 08.05.2020

1. Arrange in ascending order.

a)  $\frac{5}{13}$ ,  $\frac{7}{13}$ ,  $\frac{9}{13}$ ,  $\frac{11}{13}$

b)  $\frac{3}{17}$ ,  $\frac{7}{17}$ ,  $\frac{12}{17}$ ,  $\frac{15}{17}$

c)  $\frac{4}{15}$ ,  $\frac{8}{15}$ ,  $\frac{11}{15}$ ,  $\frac{13}{15}$

2. Arrange in descending order.

a)  $\frac{9}{12}$ ,  $\frac{7}{12}$ ,  $\frac{5}{12}$ ,  $\frac{3}{12}$

b)  $\frac{13}{16}$ ,  $\frac{12}{16}$ ,  $\frac{9}{16}$ ,  $\frac{5}{16}$

c)  $\frac{15}{18}$ ,  $\frac{11}{18}$ ,  $\frac{7}{18}$ ,  $\frac{3}{18}$

3. Compare unit fractions.

**When numerators are equal, the fraction with smaller denominator is greater.**

a)  $\frac{1}{7} > \frac{1}{9}$

b)  $\frac{1}{15} < \frac{1}{13}$

c)  $\frac{1}{21} > \frac{1}{25}$

4. Compare the fractions, and write >, < or = in the box.

**When numerators are equal, the fraction with smaller denominator is greater.**

a)  $\frac{4}{13} < \frac{4}{6}$

b)  $\frac{6}{9} = \frac{6}{9}$

c)  $\frac{11}{12} > \frac{11}{15}$

5. Compare the pair of fractions by cross multiplication.

a)  $\frac{7}{9}$ ,  $\frac{13}{15}$

$$\frac{7}{9} \times \frac{13}{15}$$

$$7 \times 15 = 105$$

$$9 \times 13 = 117$$

Since,  $105 < 117$

So,  $\frac{7}{9} < \frac{13}{15}$

b)  $\frac{9}{12}$ ,  $\frac{10}{14}$

$$\frac{9}{12} \times \frac{10}{14}$$

$$9 \times 14 = 126$$

$$12 \times 10 = 120$$

Since,  $126 > 120$

So,  $\frac{9}{12} > \frac{10}{14}$

6. Compare the like fractions.

a)  $\frac{5}{7} \square \frac{9}{7}$

Since,  $5 < 9$

So,  $\frac{5}{7} \square \frac{9}{7}$

b)  $\frac{17}{18} \square \frac{13}{18}$

Since,  $17 > 13$

So,  $\frac{17}{18} \square \frac{13}{18}$

7. Convert to like fractions and compare.

a)  $\frac{3}{8} \square \frac{4}{5}$

L. C. M. of 8 and 5 is 40

$$\frac{3}{8} = \frac{3 \times 5}{8 \times 5} = \frac{15}{40}$$

$$\frac{4}{5} = \frac{4 \times 8}{5 \times 8} = \frac{32}{40}$$

Since,  $15 < 32$

$$\begin{aligned} \text{So, } \frac{15}{40} &< \frac{32}{40} \\ &= \frac{3}{8} < \frac{4}{5} \end{aligned}$$

**Ans.**  $\frac{3}{8} \square \frac{4}{5}$

b)  $\frac{5}{6} \square \frac{3}{5}$

L. C. M. of 6 and 5 is 30

$$\frac{5}{6} = \frac{5 \times 5}{6 \times 5} = \frac{25}{30}$$

$$\frac{3}{5} = \frac{3 \times 6}{5 \times 6} = \frac{18}{30}$$

Since,  $25 > 18$

$$\text{So, } \frac{25}{30} > \frac{18}{30}$$

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

**Ans.**  $\frac{5}{6} \square \frac{3}{5}$

8. Rita had  $\frac{3}{7}$  of bread and Sita had  $\frac{2}{5}$ ; who had more?

Fraction of the bread Rita had

Fraction of the bread Sita had

∴ Rita had more

$$\frac{3}{7}$$

$$\frac{2}{5}$$

$$\frac{3}{7} \times \frac{2}{5}$$

$$3 \times 5 = 15$$

$$7 \times 2 = 14$$

Since,  $15 > 14$

$$\text{So, } \frac{3}{7} > \frac{2}{5}$$

**Ans. Rita had more bread than Sita.**

9. Ali ate  $\frac{2}{6}$  of a cake. Sara ate  $\frac{3}{6}$ ; who ate more?

Fraction of the cake Ali ate

Fraction of the cake Sara ate

∴ Sara had more

$$\frac{2}{6}$$

$$\frac{3}{6}$$

$$\frac{2}{6} \times \frac{3}{6}$$

$$2 \times 6 = 12$$

$$3 \times 6 = 18$$

Since,  $12 < 18$

$$\text{So, } \frac{2}{6} < \frac{3}{6}$$

**Ans. Sara ate more than Ali.**