



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – III TERM – 2ND ARITHMETIC ANSWER: WORKSHEET – 6 DATE – 09.05.2020

FRACTIONS

I. Arrange the following fractions in ascending order.

1) $\frac{16}{21}$, $\frac{18}{21}$, $\frac{9}{21}$, $\frac{12}{21}$, $\frac{11}{21}$

Answer: $\frac{9}{21}$, $\frac{11}{21}$, $\frac{12}{21}$, $\frac{16}{21}$, $\frac{18}{21}$

2) $\frac{14}{18}$, $\frac{9}{18}$, $\frac{7}{18}$, $\frac{12}{18}$, $\frac{17}{18}$

Answer: $\frac{7}{18}$, $\frac{9}{18}$, $\frac{12}{18}$, $\frac{14}{18}$, $\frac{17}{18}$

3) $\frac{5}{20}$, $\frac{11}{20}$, $\frac{19}{20}$, $\frac{14}{20}$, $\frac{7}{20}$

Answer: $\frac{5}{20}$, $\frac{7}{20}$, $\frac{11}{20}$, $\frac{14}{20}$, $\frac{19}{20}$

II. Arrange the following fractions in descending order.

1) $\frac{42}{55}$, $\frac{48}{55}$, $\frac{27}{55}$, $\frac{32}{55}$, $\frac{29}{55}$

Answer: $\frac{48}{55}$, $\frac{42}{55}$, $\frac{32}{55}$, $\frac{29}{55}$, $\frac{27}{55}$

2) $\frac{18}{27}$, $\frac{17}{27}$, $\frac{23}{27}$, $\frac{25}{27}$, $\frac{5}{27}$

Answer: $\frac{25}{27}$, $\frac{23}{27}$, $\frac{18}{27}$, $\frac{17}{27}$, $\frac{5}{27}$

3) $\frac{21}{68}$, $\frac{34}{68}$, $\frac{51}{68}$, $\frac{45}{68}$, $\frac{11}{68}$

Answer: $\frac{51}{68}$, $\frac{45}{68}$, $\frac{34}{68}$, $\frac{21}{68}$, $\frac{11}{68}$

III. Add. (Follow the example to add the following fractions.)

Example: $\frac{12}{24} + \frac{14}{24} = \frac{12 + 14}{24} = \frac{26}{24}$

1) $\frac{5}{9} + \frac{3}{9} = \frac{5 + 3}{9} = \frac{8}{9}$

2) $\frac{18}{51} + \frac{12}{51} = \frac{18 + 12}{51} = \frac{30}{51}$

3) $\frac{8}{20} + \frac{11}{20} = \frac{8 + 11}{20} = \frac{19}{20}$

4) $\frac{48}{78} + \frac{21}{78} = \frac{48 + 21}{78} = \frac{69}{78}$

5) $\frac{42}{88} + \frac{14}{88} = \frac{42 + 14}{88} = \frac{56}{88}$

IV. Subtract. (Follow the example to subtract the following fractions.)

Example: $\frac{42}{44} - \frac{12}{44} = \frac{42 - 12}{44} = \frac{30}{44}$

1) $\frac{16}{17} - \frac{11}{17} = \frac{16 - 11}{17} = \frac{5}{17}$

2) $\frac{10}{12} - \frac{7}{12} = \frac{10 - 7}{12} = \frac{3}{12}$

3) $\frac{55}{61} - \frac{25}{61} = \frac{55 - 25}{61} = \frac{30}{61}$

$$4) \quad \frac{30}{40} \quad \text{--} \quad \frac{20}{40} = \frac{30 \text{ -- } 20}{40} = \frac{10}{40}$$

$$5) \quad \frac{24}{35} \quad \text{--} \quad \frac{12}{35} = \frac{24 \text{ -- } 12}{35} = \frac{12}{35}$$

V. Write '+' or '-' in the boxes.

$$1) \quad \frac{4}{12} \quad \underline{+} \quad \frac{5}{12} = \frac{4 + 5}{12} = \frac{9}{12}$$

$$2) \quad \frac{16}{20} \quad \underline{-} \quad \frac{12}{20} = \frac{16 \text{ -- } 12}{20} = \frac{4}{20}$$

VI. Word Problems

1) Reena ate $\frac{2}{7}$ of a pizza and Ravi ate $\frac{4}{7}$. How much did they eat in all?

Fraction of pizza eaten by Reena.....= $\frac{2}{7}$

Fraction of pizza eaten by Ravi.....= $\frac{4}{7}$

Fraction of pizza eaten by both.....= $\frac{2}{7} + \frac{4}{7} = \frac{2 + 4}{7} = \frac{6}{7}$

Answer: They ate $\frac{6}{7}$ of the pizza in all.

2) Lily had a chocolate. She ate $\frac{2}{5}$ of it in the morning. How much chocolate is left?

The whole chocolate means.....= $\frac{5}{5}$

Fraction of chocolate eaten by Lily.....= $\frac{2}{5}$

Fraction of chocolate left.....= $\frac{5}{5} \text{ -- } \frac{2}{5} = \frac{5 \text{ -- } 2}{5} = \frac{3}{5}$

Answer: $\frac{3}{5}$ fraction of chocolate was left.