



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – III TERM – 2ND ARITHMETIC ANSWER: WORKSHEET – 9 DATE – 13.05.2020

FRACTIONS

I. Arrange the following fractions in ascending order.

1) $\frac{14}{72}$ $\frac{26}{72}$ $\frac{32}{72}$ $\frac{46}{72}$ $\frac{25}{72}$

Answer: $\frac{14}{72}$ $\frac{25}{72}$ $\frac{26}{72}$ $\frac{32}{72}$ $\frac{46}{72}$

2) $\frac{12}{15}$ $\frac{14}{15}$ $\frac{11}{15}$ $\frac{3}{15}$ $\frac{8}{15}$

Answer: $\frac{3}{15}$ $\frac{8}{15}$ $\frac{11}{15}$ $\frac{12}{15}$ $\frac{14}{15}$

3) $\frac{47}{49}$ $\frac{17}{49}$ $\frac{29}{49}$ $\frac{18}{49}$ $\frac{7}{49}$

Answer: $\frac{7}{49}$ $\frac{17}{49}$ $\frac{18}{49}$ $\frac{29}{49}$ $\frac{47}{49}$

II. Arrange the following fractions in descending order.

1) $\frac{52}{82}$ $\frac{67}{82}$ $\frac{22}{82}$ $\frac{43}{82}$ $\frac{39}{82}$

Answer: $\frac{67}{82}$ $\frac{52}{82}$ $\frac{43}{82}$ $\frac{39}{82}$ $\frac{22}{82}$

2) $\frac{34}{96}$ $\frac{50}{96}$ $\frac{24}{96}$ $\frac{54}{96}$ $\frac{37}{96}$

Answer: $\frac{54}{96}$ $\frac{50}{96}$ $\frac{37}{96}$ $\frac{34}{96}$ $\frac{24}{96}$

3) $\frac{17}{79}$ $\frac{21}{79}$ $\frac{28}{79}$ $\frac{58}{79}$ $\frac{46}{79}$

Answer: $\frac{58}{79}$ $\frac{46}{79}$ $\frac{28}{79}$ $\frac{21}{79}$ $\frac{17}{79}$

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

Example: $\frac{12}{24} + \frac{11}{24} = \frac{12 + 11}{24} = \frac{23}{24}$

1) $\frac{54}{90} + \frac{12}{90} = \frac{54 + 12}{90} = \frac{66}{90}$

2) $\frac{10}{77} + \frac{16}{77} = \frac{10 + 16}{77} = \frac{26}{77}$

3) $\frac{42}{57} + \frac{11}{57} = \frac{42 + 11}{57} = \frac{53}{57}$

4) $\frac{14}{70} + \frac{14}{70} = \frac{14 + 14}{70} = \frac{28}{70}$

5) $\frac{32}{85} + \frac{22}{85} = \frac{32 + 22}{85} = \frac{54}{85}$

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) $\frac{46}{78} - \frac{42}{78} = \frac{46 - 42}{78} = \frac{4}{78}$

$$2) \quad \frac{14}{32} - \frac{9}{32} = \frac{14 - 9}{32} = \frac{5}{32}$$

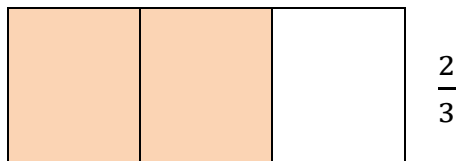
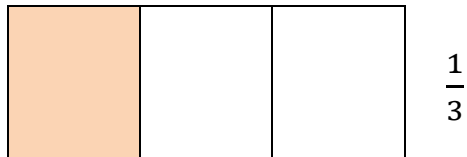
$$3) \quad \frac{60}{65} - \frac{40}{65} = \frac{60 - 40}{65} = \frac{20}{65}$$

$$4) \quad \frac{57}{81} - \frac{37}{81} = \frac{57 - 37}{81} = \frac{20}{81}$$

$$5) \quad \frac{54}{86} - \frac{23}{86} = \frac{54 - 23}{86} = \frac{31}{86}$$

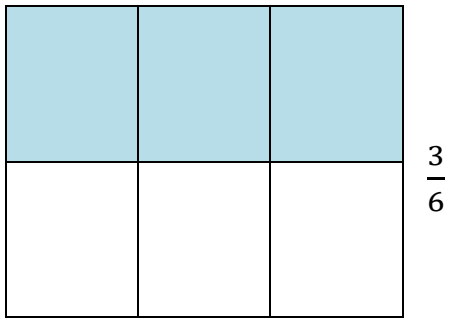
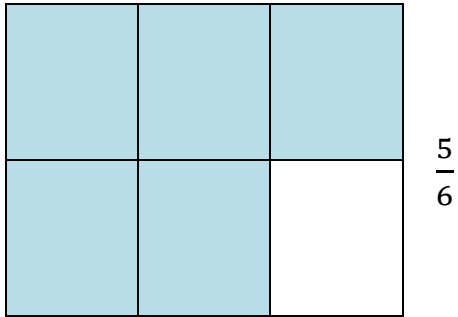
V. Shade to show the two fractions and write >, < or =.

1)



$$\frac{1}{3} < \frac{2}{3}$$

2)



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

VI. Word Problems

- 1) Samuel painted $\frac{3}{8}$ of the wall on Monday and $\frac{1}{8}$ on Tuesday. How much did he paint in all?

Fraction of wall painted on Monday..... = $\frac{3}{8}$

Fraction of wall painted on Tuesday..... = $\frac{1}{8}$

Fraction of wall painted in all..... = $\frac{3}{8} + \frac{1}{8} = \frac{3+1}{8} = \frac{4}{8}$

Answer: He painted $\frac{4}{8}$ of the wall in all.

2) Lolita had a chocolate. She ate $\frac{3}{5}$ of it in the evening. How much chocolate is left?

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

Fraction of chocolate eaten by Lolita.....= $\frac{3}{5}$

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

Answer: $\frac{2}{5}$ fraction of the chocolate was left.

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