



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

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CLASS – III TERM – 2ND ARITHMETIC ANSWER: WORKSHEET – 5 DATE – 08.05.2020

FRACTIONS

I. Arrange the following fractions in ascending order.

1) $\frac{6}{11}$, $\frac{8}{11}$, $\frac{7}{11}$, $\frac{2}{11}$, $\frac{9}{11}$

Answer: $\frac{2}{11}$, $\frac{6}{11}$, $\frac{7}{11}$, $\frac{8}{11}$, $\frac{9}{11}$

2) $\frac{4}{8}$, $\frac{2}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, $\frac{6}{8}$

Answer: $\frac{2}{8}$, $\frac{3}{8}$, $\frac{4}{8}$, $\frac{5}{8}$, $\frac{6}{8}$

3) $\frac{6}{7}$, $\frac{2}{7}$, $\frac{3}{7}$, $\frac{4}{7}$, $\frac{1}{7}$

Answer: $\frac{1}{7}$, $\frac{2}{7}$, $\frac{3}{7}$, $\frac{4}{7}$, $\frac{6}{7}$

4) $\frac{1}{6}$, $\frac{5}{6}$, $\frac{4}{6}$, $\frac{3}{6}$, $\frac{2}{6}$

Answer: $\frac{1}{6}$, $\frac{2}{6}$, $\frac{3}{6}$, $\frac{4}{6}$, $\frac{5}{6}$

5) $\frac{10}{21}$, $\frac{15}{21}$, $\frac{14}{21}$, $\frac{13}{21}$, $\frac{20}{21}$

Answer: $\frac{10}{21}$, $\frac{13}{21}$, $\frac{14}{21}$, $\frac{15}{21}$, $\frac{20}{21}$

II. Arrange the following fractions in descending order.

1) $\frac{11}{15}, \frac{8}{15}, \frac{7}{15}, \frac{12}{15}, \frac{9}{15}$

Answer: $\frac{12}{15}, \frac{11}{15}, \frac{9}{15}, \frac{8}{15}, \frac{7}{15}$

2) $\frac{14}{24}, \frac{12}{24}, \frac{13}{24}, \frac{15}{24}, \frac{16}{24}$

Answer: $\frac{16}{24}, \frac{15}{24}, \frac{14}{24}, \frac{13}{24}, \frac{12}{24}$

3) $\frac{11}{17}, \frac{12}{17}, \frac{13}{17}, \frac{14}{17}, \frac{10}{17}$

Answer: $\frac{14}{17}, \frac{13}{17}, \frac{12}{17}, \frac{11}{17}, \frac{10}{17}$

4) $\frac{10}{60}, \frac{50}{60}, \frac{40}{60}, \frac{33}{60}, \frac{12}{60}$

Answer: $\frac{50}{60}, \frac{40}{60}, \frac{33}{60}, \frac{12}{60}, \frac{10}{60}$

5) $\frac{24}{32}, \frac{25}{32}, \frac{20}{32}, \frac{22}{32}, \frac{23}{32}$

Answer: $\frac{25}{32}, \frac{24}{32}, \frac{23}{32}, \frac{22}{32}, \frac{20}{32}$

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) $\frac{4}{7} + \frac{2}{7} = \frac{4 + 2}{7} = \frac{6}{7}$

$$2) \quad \frac{8}{12} + \frac{3}{12} = \frac{8 + 3}{12} = \frac{11}{12}$$

$$3) \quad \frac{14}{22} + \frac{6}{22} = \frac{14 + 6}{22} = \frac{20}{22}$$

$$4) \quad \frac{8}{18} + \frac{6}{18} = \frac{8 + 6}{18} = \frac{14}{18}$$

$$5) \quad \frac{24}{64} + \frac{20}{64} = \frac{24 + 20}{64} = \frac{44}{64}$$

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

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

$$1) \quad \frac{6}{7} - \frac{2}{7} = \frac{6 - 2}{7} = \frac{4}{7}$$

$$2) \quad \frac{14}{15} - \frac{7}{15} = \frac{14 - 7}{15} = \frac{7}{15}$$

$$3) \quad \frac{25}{26} - \frac{5}{26} = \frac{25 - 5}{26} = \frac{20}{26}$$

$$4) \quad \frac{10}{12} - \frac{4}{12} = \frac{10 - 4}{12} = \frac{6}{12}$$

$$5) \quad \frac{64}{77} - \frac{10}{77} = \frac{64 - 10}{77} = \frac{54}{77}$$

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