

CLASS - 5
SUBJECT: MATHEMATICS
TOPIC : FRACTIONS
ANSWERS

$$1. \quad \begin{array}{ccc} & \xrightarrow{\times 2} & \\ \frac{2}{6} = \frac{4}{12} & & \\ & \xrightarrow{\times 2} & \end{array} \quad \begin{array}{ccc} & \xrightarrow{\times 3} & \\ \frac{3}{4} = \frac{9}{12} & & \\ & \xrightarrow{\times 3} & \end{array} \quad \begin{array}{ccc} & \xrightarrow{\times 5} & \\ \frac{1}{3} = \frac{5}{15} & & \\ & \xrightarrow{\times 5} & \end{array}$$

2. a) $\frac{3 \div 3}{9 \div 3} = \frac{1}{3}$

b) $\frac{6 \div 3}{18 \div 3} = \frac{2}{6} = \frac{1}{3}$

c) $\frac{12 \div 3}{18 \div 3} = \frac{4}{6} = \frac{2}{3}$

d) $\frac{6 \div 3}{12 \div 3} = \frac{2}{4} = \frac{1}{2}$

e) $\frac{18 \div 2}{20 \div 2} = \frac{9}{10}$

3. a) $\frac{1}{5}, \frac{2}{5}, \frac{4}{5}, \frac{5}{5}$ b) $\frac{4}{8}, \frac{4}{5}, \frac{4}{3}, \frac{4}{1}$

4. a) $\frac{9}{10}, \frac{7}{10}, \frac{3}{10}, \frac{2}{10}$

The LCM of the denominators
3, 5, 4 and 6 is 60.

$$\frac{2}{3} = \frac{2 \times 20}{3 \times 20} = \frac{40}{60}$$

$$\frac{1}{5} = \frac{1 \times 12}{5 \times 12} = \frac{12}{60}$$

$$\frac{3}{4} = \frac{3 \times 15}{4 \times 15} = \frac{45}{60}$$

$$\frac{5}{6} = \frac{5 \times 10}{6 \times 10} = \frac{50}{60}$$

$$50 > 45 > 40 > 12$$

$$\text{so, } \frac{50}{60} > \frac{45}{60} > \frac{40}{60} > \frac{12}{60}$$

$$\text{or, } \frac{5}{6} > \frac{3}{4} > \frac{2}{3} > \frac{1}{5}$$

😊 ANS. $\frac{5}{6}, \frac{3}{4}, \frac{2}{3}, \frac{1}{5}$

b)

5. a) EXERCISE 4.1 – D (PAGE NO. 61)

1. $\frac{1}{4}$ 2. $\frac{4}{10}$ 3. $\frac{3}{5}$ 4. $\frac{2}{3}$ 5. $\frac{1}{2}$

b) EXERCISE 4.2 – B (PAGE NO. 62)

1. $\frac{1}{5}$ 2. $\frac{1}{3}$ 3. $\frac{1}{2}$ 4. $\frac{1}{3}$ 5. $\frac{2}{3}$

c) EXERCISE 4.3 – A (PAGE NO. 66)

1. $\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}$

2. $\frac{3}{12}, \frac{3}{8}, \frac{3}{6}, \frac{3}{4}$

3. $\frac{2}{5}, \frac{1}{2}, \frac{3}{5}, \frac{3}{4}$

4. $\frac{5}{16}, \frac{3}{8}, \frac{6}{12}, \frac{4}{6}$

d) EXERCISE 4.3 – B (PAGE NO. 66)

1. $\frac{8}{5}, \frac{8}{7}, \frac{8}{9}, \frac{8}{10}$

2. $\frac{9}{10}, \frac{7}{10}, \frac{5}{10}, \frac{3}{10}$

3. $\frac{5}{4}, \frac{1}{3}, \frac{4}{15}, \frac{3}{12}$

4. $\frac{11}{14}, \frac{9}{14}, \frac{13}{28}, \frac{2}{7}$