

Tender Heart High School, Sec-33B, Chandigarh.

Class - IV

Date - 19.08.24

Subject - Mathematics

Teacher - Ms. Sushma

Ch-6 Fractions.

- * Like fractions have the same denominator.
- * Unlike fractions have different denominators.

Comparing and ordering like fractions.

- Compare the numerators. The greater the numerator, the greater is the fraction.

Adding like fractions. :- Step 1 → Add the numerators
Step 2 :- The denominator remains the same.
Step 3 - Reduce the fraction to its simplest form.

Exercise 6.7



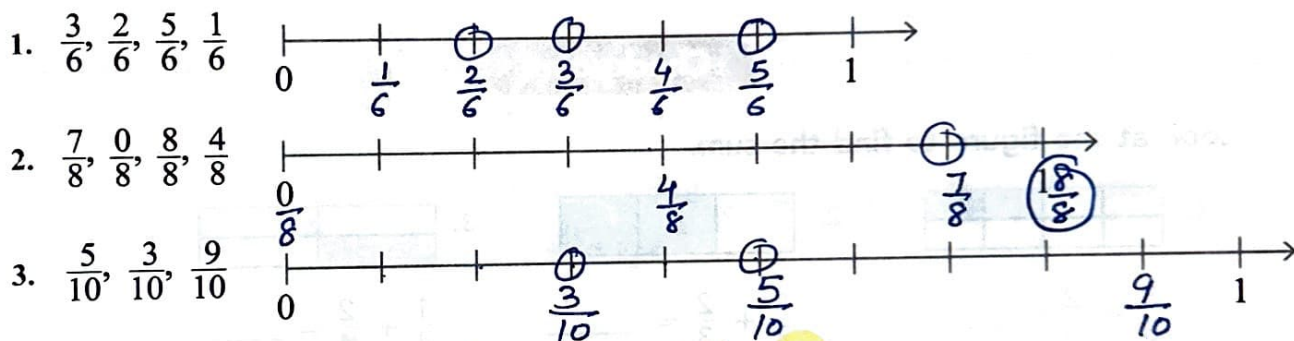
A. Write L for like fractions and U for unlike fractions.

1. $\frac{6}{11}, \frac{2}{11}$ **L** 2. $\frac{5}{13}, \frac{11}{13}$ **L** 3. $\frac{9}{10}, \frac{9}{17}$ **U** 4. $\frac{4}{19}, \frac{13}{19}$ **L** 5. $\frac{12}{19}, \frac{13}{20}$ **U**

B. Circle the smallest fraction in each group.

1. $\frac{2}{7}, \frac{4}{7}, \left(\frac{1}{7}\right)$ 2. $\left(\frac{6}{12}\right), \frac{9}{12}, \frac{11}{12}$ 3. $\frac{12}{13}, \frac{11}{13}, \left(\frac{4}{13}\right)$
 4. $\frac{7}{9}, \left(\frac{1}{9}\right), \frac{4}{9}$ 5. $\frac{4}{4}, \frac{3}{4}, \left(\frac{2}{4}\right)$ 6. $\frac{3}{8}, \frac{7}{8}, \left(\frac{1}{8}\right)$

C. Mark the following fractions on the number line.



D. Compare the fractions and put > or < in the .

1. $\frac{3}{4} > \frac{2}{4}$ 2. $\frac{7}{8} > \frac{3}{8}$ 3. $\frac{1}{9} < \frac{3}{9}$
 4. $\frac{1}{2} < \frac{3}{2}$ 5. $\frac{5}{6} > \frac{4}{6}$ 6. $\frac{2}{4} < \frac{4}{4}$

E. Write the following fractions in ascending order.

1. $\frac{3}{9}, \frac{7}{9}, \frac{5}{9}, \frac{8}{9} \rightarrow \frac{3}{9}, \frac{5}{9}, \frac{7}{9}, \frac{8}{9}$ 2. $\frac{3}{7}, \frac{2}{7}, \frac{4}{7}, \frac{5}{7} \rightarrow \frac{2}{7}, \frac{3}{7}, \frac{4}{7}, \frac{5}{7}$
 3. $\frac{9}{13}, \frac{6}{13}, \frac{4}{13}, \frac{3}{13} \rightarrow \frac{3}{13}, \frac{4}{13}, \frac{6}{13}, \frac{9}{13}$ 4. $\frac{8}{15}, \frac{9}{15}, \frac{2}{15}, \frac{6}{15} \rightarrow \frac{2}{15}, \frac{6}{15}, \frac{8}{15}, \frac{9}{15}$

F. Write the following fractions in descending order.

1. $\frac{7}{8}, \frac{3}{8}, \frac{8}{8}, \frac{1}{8} \rightarrow \frac{8}{8}, \frac{7}{8}, \frac{3}{8}, \frac{1}{8}$ 2. $\frac{2}{11}, \frac{4}{11}, \frac{1}{11}, \frac{5}{11} \rightarrow \frac{5}{11}, \frac{4}{11}, \frac{2}{11}, \frac{1}{11}$
 3. $\frac{9}{10}, \frac{3}{10}, \frac{7}{10}, \frac{10}{10} \rightarrow \frac{10}{10}, \frac{9}{10}, \frac{7}{10}, \frac{3}{10}$ 4. $\frac{1}{5}, \frac{4}{5}, \frac{3}{5}, \frac{2}{5} \rightarrow \frac{4}{5}, \frac{3}{5}, \frac{2}{5}, \frac{1}{5}$



Exercise 6.8



A. Find the sum.

1. $\frac{1}{10} + \frac{5}{10} \rightarrow \frac{6}{10}$

2. $\frac{2}{7} + \frac{3}{7} \rightarrow \frac{5}{7}$

3. $\frac{3}{6} + \frac{1}{6} \rightarrow \frac{4}{6}$

4. $\frac{1}{4} + \frac{1}{4} \rightarrow \frac{2}{4}$

5. $\frac{2}{9} + \frac{4}{9} \rightarrow \frac{6}{9}$

6. $\frac{2}{5} + \frac{1}{5} \rightarrow \frac{3}{5}$

7. $\frac{2}{11} + \frac{4}{11} \rightarrow \frac{6}{11}$

8. $\frac{3}{13} + \frac{5}{13} \rightarrow \frac{8}{13}$

B. Find the difference.

1. $\frac{3}{5} - \frac{2}{5} \rightarrow \frac{1}{5}$

2. $\frac{4}{9} - \frac{1}{9} \rightarrow \frac{3}{9}$

3. $\frac{5}{8} - \frac{2}{8} \rightarrow \frac{3}{8}$

4. $\frac{3}{6} - \frac{1}{6} \rightarrow \frac{2}{6}$

5. $\frac{6}{7} - \frac{2}{7} \rightarrow \frac{4}{7}$

6. $\frac{9}{10} - \frac{3}{10} \rightarrow \frac{6}{10}$

7. $\frac{8}{17} - \frac{3}{17} \rightarrow \frac{5}{17}$

8. $\frac{9}{19} - \frac{5}{19} \rightarrow \frac{4}{19}$

Exercise 6.9

Solve these story sums.

1. Mummy drank - - - - - much more?

Soln:- Mummy drank water = $\frac{2}{3}$
Daddy " " = $\frac{1}{3}$

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

So, Mummy drank more water.

$$\text{Difference} = \frac{2}{3} - \frac{1}{3} = \frac{2-1}{3} = \frac{1}{3}$$

2. Bunty has made - - - - - Surbhi has made?

Soln:- Height of castle made by Bunty = $\frac{3}{10}$ m

Surbhi's castle is $\frac{1}{10}$ m shorter.

$$\therefore \text{Height of castle made by Surbhi} = \frac{3}{10} - \frac{1}{10}$$

$$= \frac{3-1}{10} = \frac{2}{10} \text{ m}$$

So, Height of Surbhi's castle is $\frac{2}{10}$ m

3. Mr Roy has a coconut - - - - - these two days?

Soln:- Coconuts sold today = $\frac{5}{7}$

" " Yesterday = $\frac{1}{7}$

$$\text{Total coconuts sold} = \frac{5}{7} + \frac{1}{7} = \frac{6}{7}$$

Ans - So, Mr. Roy sold $\frac{6}{7}$ coconuts.