I. Types of Fractions

a) Unit Fraction: A fraction in which the numerator is 1 is called a unit fraction. E.g. $\frac{1}{2}, \frac{1}{17}, \frac{1}{21}$

b) Like Fractions: Fractions which have the same denominators are called like fractions. E.g. $\frac{8}{13}, \frac{10}{13}$ and $\frac{7}{9}, \frac{6}{9}$

c) Unlike Fractions: Fractions which have different denominators are called unlike fractions. E.g. $\frac{7}{12}, \frac{3}{14}; \frac{4}{18}, \frac{7}{12}; \frac{9}{12}, \frac{9}{18}$

1. Circle the like fractions:

$\frac{3}{4}$, $\frac{7}{5}$, $\frac{4}{6}$, $\frac{1}{4}$, $\frac{3}{7}$, $\frac{6}{4}$, $\frac{5}{11}$, $\frac{9}{4}$

2. Pick out two pairs of unlike fractions:

$\frac{14}{17}$, $\frac{8}{17}$; $\frac{3}{17}$, $\frac{3}{15}$; $\frac{4}{15}$, $\frac{2}{12}$; $\frac{1}{14}$, $\frac{8}{14}$

3. Tick the unit fractions:

$\frac{3}{7}$, $\frac{1}{5}$, $\frac{4}{9}$, $\frac{5}{11}$, $\frac{1}{27}$, $\frac{16}{25}$, $\frac{1}{100}$

II. Comparison of Like Fractions:

While comparing like fractions, the fractional number that has greater numerator is greater. E.g. $\frac{5}{10}$ $\boxed{>}$ $\frac{3}{10}$ $\frac{1}{7}$ $\boxed{<}$ $\frac{6}{7}$

A. Write > or < in the boxes:

1. $\frac{2}{9}$ $\square$ $\frac{8}{9}$

2. $\frac{13}{14}$ $\square$ $\frac{7}{14}$

3. $\frac{25}{37}$ $\square$ $\frac{17}{37}$

4. $\dfrac{19}{40}$ ☐ $\dfrac{33}{40}$

B. **Arrange the following in ascending order:**

1. $\dfrac{2}{6}$, $\dfrac{4}{6}$, $\dfrac{1}{6}$, $\dfrac{5}{6}$

2. $\dfrac{1}{10}$, $\dfrac{6}{10}$, $\dfrac{5}{10}$, $\dfrac{3}{10}$

C. **Arrange the following in descending order:**

1. $\dfrac{1}{7}$, $\dfrac{3}{7}$, $\dfrac{4}{7}$, $\dfrac{2}{7}$

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

III. Addition of Like Fractions

While adding like fractions, we add only the numerators, the denominator remains the same. E.g. $\dfrac{1}{5} + \dfrac{2}{5} = \dfrac{1+2}{5} = \dfrac{3}{5}$

Add the following fractions:

1. $\dfrac{2}{10} + \dfrac{3}{10} =$ ☐

2. $\dfrac{5}{8} + \dfrac{2}{8} =$ ☐

3. $\dfrac{8}{12} + \dfrac{3}{12} =$ ☐

4. $\dfrac{3}{7} + \dfrac{5}{7} =$ ☐

☺ **ALL THE BEST** ☺