



## CHAPTER -2 RATIONAL NUMBERS

### Ex- 2.1

2.a.  $\frac{3}{5}$

b.  $\frac{5}{18}$

3.a.8

b.-20

4.a.  $-\frac{6}{10} = -\frac{9}{15} = -\frac{12}{20}$

b.  $\frac{18}{22} = \frac{27}{33} = \frac{36}{44} = \frac{45}{55}$

5.a. >

b.>

c.<

### Ex- 2.2&2.3

1. a)  $-\frac{5}{3} < -\frac{7}{12} < \frac{3}{6} < \frac{4}{6}$

b.  $-\frac{4}{2} < -\frac{3}{8} < \frac{9}{4} < \frac{5}{2}$

2. a.  $\frac{9}{4}, \frac{10}{4}, \frac{11}{4}$

b.  $-\frac{1}{3}, -\frac{2}{3}$

c.  $\frac{1}{3}, \frac{2}{3}$

d.  $\frac{6}{5}, \frac{7}{5}, \frac{8}{5}, \frac{9}{5}$

### Ex- 2.4

1.a.  $-\frac{17}{24}$

b.  $\frac{18}{12}$

c.4

d.  $\frac{22}{91}$

e.3

f.1

### Ex- 2.5

1.  $\frac{20}{3}$

2.  $\frac{16}{21}$

### FOR CURIOUS MIND:

#### Fill in the blanks

1. 0

2. Infinite

3. 1

4. 0

5. 1

6. 0

7.  $-\frac{3}{7}$

8.  $-\frac{1}{2}$

9. 1 and -1

## CHAPTER -3 FRACTIONS

### Ex- 3.1 to 3.3

1a.45

b. 105

2. 55

$\frac{5}{6} * 30 = 25$

4. a.  $\frac{19}{9}$

b.  $\frac{5}{28}$

c.15

d.6

5.  $\frac{15}{4}$

6.  $\frac{33}{8}$

7.219

### For curious mind

1.  $\frac{1}{2}$

2.4 donuts

3.60

4. 64

5.12

6.20

1.  $\frac{74}{12}$

2.  $\frac{67}{20}$

3.  $\frac{53}{12}$

4.  $\frac{59}{10}$

5.  $\frac{254}{24}$

6.  $\frac{92}{8}$

7.  $\frac{568}{30}$

8.10