

# Fractions and Mixed Numbers

## I. Least Common denominator

1. Find the least common denominator of the following fractions.

(i)  $\frac{2}{9}$  and  $\frac{5}{6}$

(ii)  $\frac{11}{24}$  and  $\frac{8}{7}$

(iii)  $\frac{3}{2}$ ,  $\frac{13}{20}$  and  $\frac{1}{3}$

2. Answer the following questions.

(i) Find the LCD of the  $\frac{10}{20}$  and  $\frac{24}{4}$  tick the right answer.

- (A) 20
- (B) 240
- (C) 60
- (D) 4

(ii) Find the LCD of the  $\frac{8}{9} : \frac{2}{12}$  and  $\frac{11}{24}$  and tick the right answer.

- (A) 62
- (B) 144
- (C) 216
- (D) 72

(iii) Find the LCD of the of  $\frac{5}{15} : \frac{2}{3}$  and  $\frac{1}{30}$  and the tick the right answer.

- (A) 3
- (B) 30
- (C) 40
- (D) 15

## II. Understand Fractions as Division – Word Problems

- i. A total of **50 Students** went out a field trip. During their lunch break time, their teacher Mrs. Amelia gave each student a plate of rice and divided **7 Packets** of meat equality among the plates. How much portion of meat did each student get on their plate? **(Write your answer as a mixed number).**
- ii. On the Christmas day party at school, Jasmine wants to make potatoes pie for her daughter to bring to school for her classmates. She makes 13 pans of potatoes pie using 17 whole healthy potatoes. How much portion of potatoes is in each pan of pie? **(Write your answer as a mixed number).**
- iii. Evans got a summer job at a gas filling station. His work is to refill all the gas Bottles. There is a huge tank at the gas station with 3 gallons of a gas Evans Uses to refill the gas bottles. He refills gas evenly among 17 gas bottles. How much gas goes in each bollte?

## III. Compare with >, < or = .

(i)  $\frac{5}{8}$    $\frac{10}{8}$

(ii)  $\frac{10}{16}$    $\frac{5}{16}$

(iii)  $\frac{24}{30}$    $\frac{29}{30}$

(iv)  $\frac{1}{3}$    $\frac{1}{3}$

(v)  $\frac{3}{2}$    $\frac{7}{2}$

(vi)  $\frac{2}{2}$    $\frac{1}{2}$

(vii)  $\frac{30}{40}$    $\frac{13}{40}$

(viii)  $\frac{5}{8}$    $\frac{7}{4}$

(ix)  $\frac{5}{8}$    $\frac{14}{8}$

(x)  $\frac{9}{7}$    $\frac{4}{5}$

(xi)  $\frac{5}{3}$    $\frac{3}{2}$

(xii)  $\frac{13}{7}$    $\frac{4}{7}$

(xiii)  $\frac{3}{5}$    $\frac{9}{5}$

(xiv)  $\frac{13}{5}$    $\frac{11}{6}$