

#### Exercise 2A

(vi) 
$$2\frac{5}{9} - 1\frac{7}{15}$$

$$= \frac{23}{9} - \frac{22}{15}$$

$$= \frac{115 - 66}{45} \qquad [\because LCM \text{ of } 9 \text{ and } 15 = 45]$$

$$= \frac{49}{45} = 1\frac{4}{45}$$

# Solution 07

## Answer:

(i) 
$$\frac{2}{3} + \frac{5}{6} - \frac{1}{9}$$
  
=  $\frac{12+15-2}{18}$  [: LCM of 3, 6 and 9 = 18]  
=  $\frac{27-2}{18} = \frac{25}{18} = 1\frac{7}{18}$   
(ii)  $8 - 4\frac{1}{2} - 2\frac{1}{4}$   
=  $\frac{8}{1} - \frac{9}{2} - \frac{9}{4}$   
=  $\frac{32-18-9}{4}$  [: LCM of 1, 2 and 4 = 4]  
=  $\frac{32-27}{4} = \frac{5}{4} = 1\frac{1}{4}$   
(iii)  $8\frac{5}{6} - 3\frac{3}{8} + 1\frac{7}{12}$ 

 $=\frac{53}{6}-\frac{27}{8}+\frac{19}{12}$ 

$$= \frac{212 - 81 + 38}{24} \quad [\because LCM \text{ of } 6, 8 \text{ and } 12 = 24]$$

$$= \frac{250 - 81}{24} = \frac{169}{24} = 7\frac{1}{24}$$

### Solution 08

#### Answer:

Total weight of fruits bought by Aneeta =  $\left(3\frac{3}{4} + 4\frac{1}{2}\right)$  kg Now, we have:

$$3\frac{3}{4} + 4\frac{1}{2} = \frac{15}{4} + \frac{9}{2}$$

$$= \frac{15+18}{4} \quad [\because LCM \text{ of 2 and 4 = 4}]$$

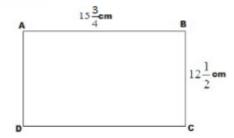
$$= \frac{15+18}{4} = \frac{33}{4} = 8\frac{1}{4}$$

Hence, the total weight of the fruits purchased by Aneeta is  $8\frac{1}{4}~kg$ .

### Solution 09

#### Answer:

We have:



Perimeter of the rectangle ABCD = AB + BC + CD +DA