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

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

$= \frac{115-66}{45}$ [∵ LCM of 9 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) $8\frac{5}{6} - 3\frac{3}{8} + 1\frac{7}{12}$

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

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

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

Solution 08

Answer:

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

Now, we have:

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

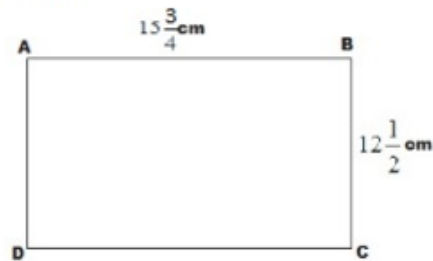$$= \frac{15+18}{4} \quad [\because \text{LCM of 2 and 4} = 4]$$

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

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

********** END *********