Fractions Ex 6.8 Q4

Answer :

Quantity of sugar bought by Ramesh $= 2\frac{1}{2}$ kg $= \frac{(2\times2)+1}{2} = \frac{5}{2}$ kg

Quantity of sugar bought by Rohit $= 3\frac{1}{2}$ kg $= \frac{(3\times2)+1}{2} = \frac{7}{2}$ kg

Total amount of sugar bought by them =

$$\frac{5}{2} + \frac{7}{2} = \frac{5+7}{2}$$

$$= \frac{12\div2}{2\div2} = 6 \text{ kg} \quad \left(\text{Dividing numerator \& denominator by their HCF}\right)$$

Fractions Ex 6.8 Q5

Answer :

Fraction of the book taught by the teacher $= \frac{3}{5}$

Fraction of the book revised by Vivek $= \frac{1}{5}$

Fraction of the book still left for revision by Vivek $= \frac{3}{5} - \frac{1}{5} = \frac{3-1}{5} = \frac{2}{5}$

Fractions Ex 6.8 Q6

Answer :

Fraction of oranges given to Amit $= \frac{5}{7}$

Fraction of oranges left in the basket $= 1 - \frac{5}{7} = \frac{7\times1-5}{7} = \frac{2}{7}$

Fractions Ex 6.8 Q7

Answer :

(i)

$$\frac{7}{10} - \Box = \frac{3}{10}$$

$$\Box = \frac{7}{10} - \frac{3}{10} = \frac{7-3}{10} = \frac{4}{10}$$

$$\Box = \frac{4}{10}$$

(ii)

$$\Box - \frac{3}{21} = \frac{5}{21}$$

$$\Box = \frac{3}{21} + \frac{5}{21} = \frac{3+5}{21} = \frac{8}{21}$$

(iii)

$$\Box - \frac{3}{6} = \frac{3}{6}$$

$$\Box = \frac{3}{6} + \frac{3}{6} = \frac{3+3}{6} = \frac{6}{6} = 1$$

(iv)

$$\Box - \frac{5}{27} = \frac{12}{27}$$

$$\Box = \frac{12}{27} + \frac{5}{27} = \frac{12+5}{27}$$

$$\Box = \frac{17}{27}$$