

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 =

$$\begin{array}{l} \frac{5}{2}+\frac{7}{2}=\frac{5+7}{2}\\ =\frac{12\div 2}{2\div 2}=6~\text{kg} & \left(\text{Dividing numerator \& denominator by their HCF}\right) \end{array}$$

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 = $1 - \frac{5}{7} = \frac{7 \times 1 - 5}{7} = \frac{2}{7}$

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

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

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

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