Fractions Ex 2.3 Q9

Answer :

$6 \frac{1}{4} \, \text{kg} = \frac{(6 \times 4) + 1}{4} \, \text{kg}$

$\Rightarrow \frac{25}{4} \, \text{kg}$

Cost of $\frac{25}{4} \, \text{kg}$ of apples = Rs. 400

Cost of 1 kg of apples $= 400 \div \frac{25}{4} = 400 \times \frac{25}{4} = \text{Rs. } 64$

Fractions Ex 2.3 Q10

Answer :

Cost of 1 orange $= \text{Rs } 5 \frac{1}{4} = \frac{(5 \times 4) + 1}{4} = \text{Rs } \frac{21}{4}$

Number of oranges sold $= 630 \div \frac{21}{4}$

$\Rightarrow 630^{30} \times \frac{4}{21} = 120$

$\because$ 12 oranges = 1 dozen

$\therefore$ 120 oranges $= \frac{120}{12} = 10 \text{ dozen}$

Fractions Ex 2.3 Q11

Answer :

Number of students in the school $= \dfrac{\text{Total amount of milk distributed per day}}{\text{Amount of milk given to one student}}$

$= 30 \div \frac{3}{10}$

$= 30^{10} \times \frac{10}{3}$

$= 100$

Fractions Ex 2.3 Q12

Answer :

Number of tickets sold $= \dfrac{\text{Total amount of money collected}}{\text{Price of one ticket}}$

Price of one ticket:

$50\frac{3}{4} \Rightarrow \dfrac{(50 \times 4) + 3}{4}$

$\Rightarrow \text{Rs } \dfrac{203}{4}$

Number of tickets sold $= 6496 \div \dfrac{203}{4}$

$\Rightarrow \cancel{6496}^{32} \times \dfrac{4}{\cancel{203}}$

$\Rightarrow 128$