



Percentage Ex 12.2 Q7

Answer :

Let the number of orange trees be x .

It is given that there are 2,000 trees. While 12% of them are mango trees, 18% are lemon trees and the rest are orange trees.

Now, $(12\% \text{ of } 2000) + (18\% \text{ of } 2000) + x = 2000$

$$\Rightarrow \frac{12}{100} \times 2000 + \frac{18}{100} \times 2000 + x = 2000$$

$$\Rightarrow 240 + 360 + x = 2000$$

$$\Rightarrow 600 + x = 2000$$

$$\Rightarrow x = 2000 - 600$$

$$\Rightarrow x = 1400$$

\therefore There are 1,400 orange trees.

Percentage Ex 12.2 Q8

Answer :

In a balanced diet of 2600 calories, 12% is protein.

\therefore Amount of protein in food intake = 12% of 2600

$$= \frac{12}{100} \times 2600$$

$$= 312$$

Similarly, a balanced diet contains 25% fats.

\therefore Amount of fats in food intake = 25% of 2600

$$= \frac{25}{100} \times 2600$$

$$= 650$$

Similarly, a balanced diet contains 63% carbohydrates.

\therefore Amount of carbohydrates in food intake = 63% of 2600

$$= \frac{63}{100} \times 2600$$

$$= 1638$$

Percentage Ex 12.2 Q9

Answer :

(i) The cricketer hits 3 sixes.

$$\text{i.e., } 3 \times 6 = 18$$

$$\therefore \frac{18}{62} \times 100 = 29.03\%$$

(ii) The cricketer hits 8 fours.

$$\text{i.e., } 8 \times 4 = 32$$

$$\therefore \frac{32}{62} \times 100 = 51.61\%$$

(iii) The cricketer hits 2 twos.

$$\text{i.e., } 2 \times 2 = 4$$

$$\therefore \frac{4}{62} \times 100 = 6.45\%$$

(iv) The cricketer hits 8 singles.

$$\text{i.e., } 8 \times 1 = 8$$

$$\therefore \frac{8}{62} \times 100 = 12.90\%$$

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