



Percentage Ex 12.2 Q10

Answer :

(i) Let the cricketer score w runs in 6's.

$$\therefore 20\% \text{ of } 120 = w$$

$$\Rightarrow \frac{20}{100} \times 120 = w$$

$$\Rightarrow w = 24$$

(ii) Let the cricketer score x runs in 4's.

$$\therefore 30\% \text{ of } 120 = x$$

$$\Rightarrow \frac{30}{100} \times 120 = x$$

$$\Rightarrow x = 36$$

(iii) Let the cricketer score y runs in 2's.

$$\therefore 25\% \text{ of } 120 = y$$

$$\Rightarrow \frac{25}{100} \times 120 = y$$

$$\Rightarrow y = 30$$

(iv) Let the cricketer score z runs in 1's.

Since, the cricketer scores the rest of the runs in 1's, we have :

$$24 + 36 + 30 + z = 120$$

$$\Rightarrow z + 90 = 120$$

$$\Rightarrow z = 30$$

Percentage Ex 12.2 Q11

Answer :

Let the investment be Rs x .

i.e., 22% of $x = 187$

$$\Rightarrow \frac{22}{100} x = 187$$

$$\Rightarrow x = \frac{18700}{22}$$

$$= 850$$

\therefore Radha invests Rs 850.

Percentage Ex 12.2 Q12

Answer :

Let the total income for the year 1997 be Rs x .

i.e., 12% *of* $x = 1440$

$$\Rightarrow \frac{12}{100} x = 1440$$

$$\Rightarrow x = \frac{144000}{12}$$

$$\Rightarrow x = 12000$$

\therefore Rohit's total income was Rs 12,000.

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