Percentage Ex 12.2 Q10

Answer:

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

$\therefore$ 20% 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% 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% 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.

********** END *********