Time and Work Ex 11.1 Q17

Answer:

It is given that 8 men can complete a job in 9 days.

$\therefore$ Time taken by 1 man to complete the same job $= (8 \times 9) = 72$ days

$\therefore$ Time taken by 6 men to complete the same job $= \frac{72}{6} = 12$ days

Time and Work Ex 11.1 Q18

Answer:

It is given that Reema weaves 35 baskets in 25 days.

$\therefore$ Time taken by her to weave 1 basket $= \frac{25}{35}$ day

$\therefore$ Time taken by her to weave 55 baskets $= \left(\frac{25}{35} \times 55 \right)$ days

$= \frac{1375}{35}$ days $= \frac{275}{7}$ days $= 39 \frac{2}{7}$ days

Time and Work Ex 11.1 Q19

Answer:

It is given that Neha types 75 pages in 14 hours.

$\therefore$ Number of pages typed by her in 1 hour $= \frac{75}{14}$

$\therefore$ Number of pages typed by her in 20 hours $= \left(\frac{75}{14} \times 20 \right)$ pages

$= \frac{1500}{14}$ pages

$= \frac{750}{7}$ pages

$= 107 \frac{1}{7}$ pages

Thus, Neha types $107 \frac{1}{7}$ pages in 20 hours.

Time and Work Ex 11.1 Q20

Answer:

Earnings of 12 boys in 7 days $=$ Rs. 840

$\therefore$ Earnings of 12 boys in 1 day $=$ Rs. $\frac{840}{7} =$ Rs. 120

$\therefore$ Earnings of 1 boy in 1 day $=$ Rs. $\frac{120}{12} =$ Rs. 10

$\therefore$ Earnings of 1 boy in 6 days $=$ Rs. $(10 \times 6) =$ Rs. 60

$\therefore$ Earnings of 15 boys in 6 days $=$ Rs. (60×15)

$=$ Rs. 900

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