

# Time and Work Ex 11.1 Q17

#### Answer:

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

- :. 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 =  $\frac{75}{14}$
- ... 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

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