

- 2) On a long trip, 3 friends take turns for driving. The first drives for 2 hours 40 minutes 25 seconds, the second for 2 hours 15 minutes 20 seconds and the third 3 hours 20 minutes. what was the total driving time?

Ans-

	Hrs	min	sec		Hrs	min	sec
2 hrs 40 min 25 sec	2	40	25		7	75	45
2 hrs 15 min 20 sec	2	15	20		+1	-60	
3 hrs 20 min 00 sec	3	20	00		8	15	45s
<u>7 hrs 75 min 45 sec</u>	<u>7</u>	<u>75</u>	<u>45</u>				

∴ Total driving time was 8 hrs 15 min 45s

- 3) A picture frame is in the shape of a square, and each side is 12 inches long. what is the perimeter of the picture frame?

Ans-

Side = 12 inches, Perimeter = ?

Perimeter of a frame = $4 \times \text{Side}$

$= 4 \times 12 \text{ inches}$

$= 48 \text{ inches}$

- 4) A farmer has a rectangular field that is 50 meters long 45 metres wide. He wants to plant crops over the entire area. what is the area of the field?

Ans-

Length = 50 m, Breadth = 45 m

Area of a field = $l \times b$

$= (50 \times 45) \text{ m}$

$= 2250 \text{ m}^2$

∴ Area of a rectangular field is 2250 m^2 .

Q-6) Solve the following.

- 1) Find the area of a square whose one side is 6 cm.

Ans-

Area of a square = $\text{Side} \times \text{Side}$

$= (6 \times 6) \text{ cm}^2$

$= 36 \text{ cm}^2$

- 2) Find the area of a rectangle whose length = 8 cm, breadth = 3 cm.

Ans-

Area of a rectangle = $l \times b$

$= (8 \times 3) \text{ cm}$

$= 24 \text{ cm}^2$

- 3) Find the breadth of a rectangle if its area = 96 cm^2 and its length = 12 cm.

Ans-

Breadth = $\frac{\text{Area}}{\text{Length}} = \frac{96}{12} = 8 \text{ cm}$

- 4) What time would it be :-

- a. 4 hours 57 minutes after 7:15 a.m.?

Ans-

	Hrs	min		Hrs	min
7:15	7	15		11	72
+ 4:57	+4	57		+1	-60
<u>11:72</u>	<u>11</u>	<u>72</u>		<u>12</u>	<u>12</u>

(12:12 p.m.)

- b. 2 hours 50 minutes before 15:10 hours?

Ans-

	Hrs	min		Hrs	min
15:10	15	10		13	10
- 2:50	-2	50			
<u>12:20</u>	<u>12</u>	<u>20</u>			

(12:20 p.m.)

- 5) a) Convert 68°F to $^\circ \text{C}$.

Ans-

Step: 1 = $68 - 32$

$= 36$

Step: 2 = $36 \times \frac{5}{9} = 20^\circ \text{C}$

- b) Convert 25°C to $^\circ \text{F}$

Ans-

Step: 1 = $25 \times \frac{9}{5}$

$= 45$

Step: 2 = $45 + 32$

$= 77^\circ \text{F}$