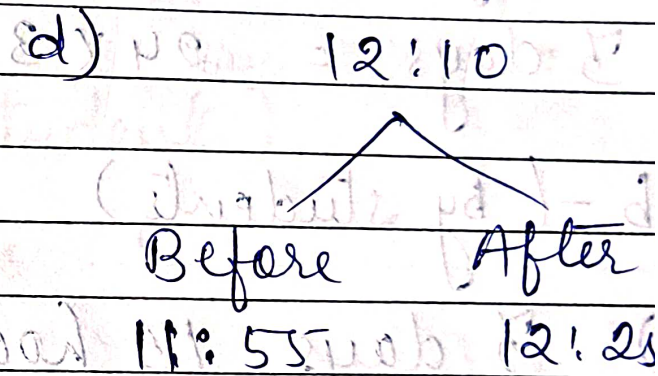
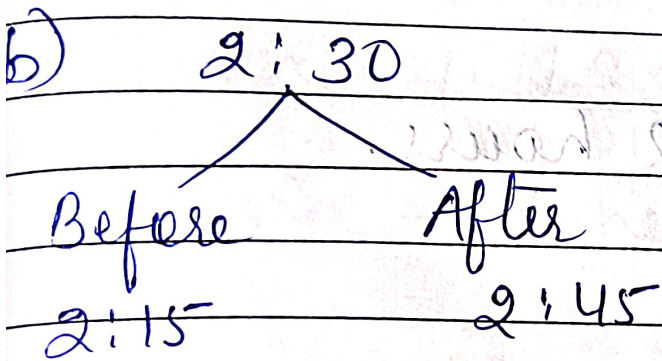
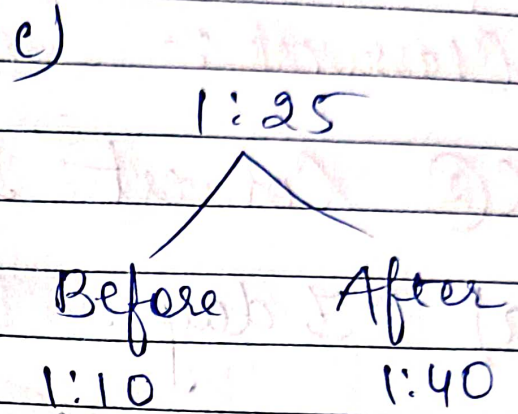
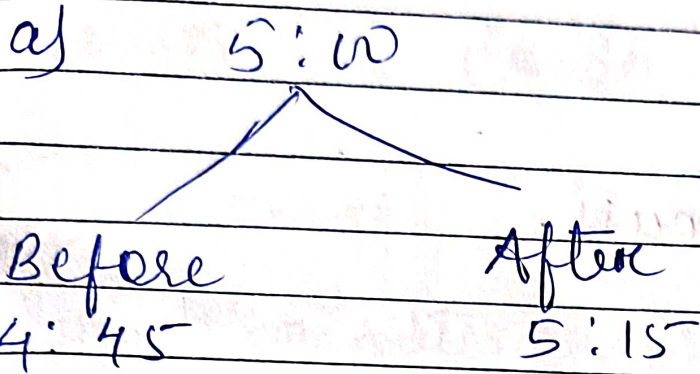


Ch-9 Time

Warm up Exercise

Q 2 :- Write time.



1 decade = 10 years.

1 millennium = 100 decades

1 Century = 100 years

Homework :- Solve warmup Ex
Q 1, 3, 4.

Topic :- Time

Classwork :- Ex-9A

Q(2) Convert into hours.

a) 3 days.

$$1 \text{ day} = 24 \text{ h}$$

$$3 \text{ days} = 24 \times 3 = 72 \text{ hours.}$$

b - (by students)

c) 3 days 13 hours.

$$1 \text{ day} = 24 \text{ h}$$

$$3 \text{ days} = 3 \times 24 = 72 \text{ hours}$$

$$72 \text{ h} + 13 \text{ h} = 85 \text{ hours.}$$

d - (by students)

Q(3) Convert into minutes

a) 5 hours.

$$1 \text{ h} = 60 \text{ min}$$

$$5 \text{ h} = 60 \times 5 = 300 \text{ min}$$

(b, c, d - done by students)

Q(4) Convert into seconds:

a) 12 minutes

$$1 \text{ min} = 60 \text{ sec}$$

$$12 \text{ min} = 60 \times 12 = 720 \text{ sec.}$$

(b, c, d - done by students)

Q(5) Change into hours.

a) 4 Days.

$$1 \text{ day} = 24 \text{ hrs.}$$

$$4 \text{ days} = 4 \times 24 = 96 \text{ hrs.}$$

(b, c, d - Student's work)

Q (6): Convert :-

a) 75 days into months, weeks and day.

$$1 \text{ month} = 30 \text{ days.}$$

$$= 75 \div 30$$

$$= 30 \overline{) 75}$$

$$\begin{array}{r} 2 \text{ months} \\ 60 \\ \hline 15 \end{array}$$

$$1 \text{ week} = 7 \text{ days.}$$

$$15 \text{ days} =$$

$$15 \div 7 =$$

$$7 \overline{) 15}$$

$$14$$

$$1 \text{ Day.}$$

$$= 2 \text{ weeks.}$$

Thus, 75 days = 2 months 2 weeks 1 Day

b) 469 hours into days and hours.

$$1 \text{ day} = 24 \text{ hours.}$$

$$469 \text{ hours} = 469 \div 24 = 19 \text{ days. } 13 \text{ hours.}$$

c) 5672 ~~minutes~~ minutes into bigger units of time.

⇒ 3 days 22 hours 32 minutes.

d) 100 centuries into millennium.

1 millennium = 1000 centuries.

$$\therefore \frac{1000}{100} = 10$$

Thus, 100 centuries = 10 millenniums.

Classwork :- Ex-9B

Q1

- a) 1440 h.
- b) 1830 h
- c) 1310 h
- d) 0130 h.
- e) 0605 h.
- f) 0715 h
- g) 2100 h
- h) 1915 h.

Q2

- a) 4:30 am
- b) 7:16 a.m.
- c) 3:15 p.m.
- d) 12 noon
- e) 3:40 a.m.
- f) 12 midnight
- g) 4:25 p.m.
- h) 12 midnight

Ex - 9c

① 10 min 20s + 40 min 30s. Add :-

| | | |
|----|-----|----|
| | 0 | |
| | min | s |
| + | 10 | 20 |
| + | 40 | 30 |
| 50 | | 50 |

②

| | | |
|---------------|---|-----|
| | h | min |
| + | 5 | 10 |
| + | 5 | 25 |
| 25 | | 35 |
| 10 | | |

③

| | | | |
|---|---|-----|----|
| | h | min | s |
| + | 3 | 10 | 30 |
| + | 3 | 10 | 15 |
| 6 | | 20 | 45 |

④

| | | | |
|----|---|-----|----|
| | h | min | s |
| + | 6 | 45 | 20 |
| + | 3 | 15 | 45 |
| 10 | | 01 | 05 |

5, 6, 7 - to be done by students.

Q2. Subtract:

$$\begin{array}{r} \text{a)} \quad \text{h} \quad \text{min} \quad \text{s} \\ 8 \quad 40 \quad 00 \\ - 4 \quad 10 \quad 00 \\ \hline 4 \quad 30 \quad 00 \end{array}$$

$$\begin{array}{r} \text{b)} \quad \text{h} \quad \text{min} \quad \text{Sec} \\ 5 \quad 45 \quad 40 \\ - 3 \quad 12 \quad 20 \\ \hline 2 \quad 33 \quad 20 \end{array}$$

$$\begin{array}{r} \text{c)} \quad \text{h} \quad \text{min} \quad \text{s} \quad \text{min} \\ 9 \quad 42 \quad 17 \quad 01 \\ - 6 \quad 02 \quad 27 \quad 01 \\ \hline 3 \quad 39 \quad 50 \quad 00 \end{array}$$

(d, e, f - to be done by students)

Ex-9 D

① a) Number of days from
16th Feb. to 14th July

i) leap year = 149 days.

ii) non-leap year = 148 days.

b) No. of days from 3rd March 2023.
to 5th August 2023.

Ans. \Rightarrow 155 days.

② a) \rightarrow Ans :- 139 days

b) \rightarrow Ans :- 85 days.

③ a) Date on :- 20 days after 16th July
= 5th August

b) Date on : 30 days after 2nd Jan.
= 1st February.

4

Attended in Morning = 2 h 30 min 40 s.

Attended in evening = 3 h 40 min 15 s.

Total time he attended

| | | | |
|---|----------|-----------|-----------|
| = | h | min | s |
| | 2 | 30 | 40 |
| + | 3 | 40 | 15 |
| | <u>6</u> | <u>10</u> | <u>55</u> |