

TENDER HEART HIGH SCHOOL, SEC-33B, CHD.

Class: III

Subject: Mathematics

Topic: Time

Date: 18.11.2024

Good morning students

This is the notebook work of Ch-Time, En - 8.3 and 8.5 and is being presented to you on 18.11.2024

Ch-Time
24-Hour Clock Time

We normally use a 12-hour clock.

Digital watch also shows time in 24-hour clock times.

Instead of using a.m. or p.m., hours from mid-night to the mid-night are numbered from 0 to 24.

Time in hours is expressed using a 4-digit numerals.

Remember

1. The numeral formed by the two digits on the left denotes the number of hours.
2. The numeral formed by the two digits on the right denotes the number of minutes.
3. If the numeral formed by the first two digits from the left is less than 12, it denotes the number of hours before noon. So a.m. is to be used with it.

1045 hours denotes 10:45 a.m.

4. If the numeral formed by the first two digits from the left is greater than 12, the difference between the number and 12 gives the number of hours after noon. So p.m. is to be used with it.

1430 hours denotes 2:30 p.m.

Ex - 8.3 (pg - 141)

A. Write in 24-hour clock time.

- | | |
|-------------------|------------|
| 1. 11:10 a.m. | 1110 hours |
| 2. 12:00 noon | 1200 hours |
| 3. 12:00 midnight | 0000 hours |
| 4. 6:30 p.m. | 1830 hours |
| 5. 7:40 a.m. | 0740 hours |
| 6. 7:00 p.m. | 1900 hours |
| 7. 12:15 a.m. | 0015 hours |
| 8. 12:50 p.m. | 1250 hours |

B. Write in 12-hour clock time.

- | | |
|---------------|------------|
| 1. 0620 hours | 6:20 a.m. |
| 2. 2300 hours | 11:00 p.m. |
| 3. 1815 hours | 6:15 p.m. |
| 4. 0025 hours | 12:25 a.m. |
| 5. 0935 hours | 9:35 a.m. |
| 6. 0005 hours | 12:05 a.m. |
| 7. 1150 hours | 11:50 a.m. |
| 8. 1240 hours | 12:40 p.m. |

1. Change to 24-hour clock times.

- a) 6 a.m. 0600 hours b) 11 a.m. 1100 hours
 c) 4 p.m. 1600 hours d) 8:30 a.m. 0830 hours
 e) 10:35 a.m. 1035 hours f) 10:15 p.m. 2215 hours

2. Change to 12-hour clock times.

- a) 0800 hours 8 a.m. b) 1730 hours 05:30 p.m.
 c) 2315 hours 11:15 p.m. d) 1515 hours 03:15 p.m.
 e) 1950 hours 07:50 p.m. f) 1220 hours 12:20 p.m.

3. En 8.5 (pg - 144)

A convert to months

1. 5 years

$$1 \text{ year} = 12 \text{ months}$$

$$5 \text{ years} = 5 \times 12 \text{ months} \\ = 60 \text{ months}$$

2. 9 years

$$1 \text{ year} = 12 \text{ months}$$

$$9 \text{ years} = 9 \times 12 \text{ months}$$

Page.

$= 108 \text{ months}$

3. 21 years

1 year = 12 months

21 years = $21 \times 12 \text{ months}$
 $= 252 \text{ months}$

$$\begin{array}{r} 21 \\ \times 12 \\ \hline 42 \\ 21 \times \\ \hline 252 \end{array}$$

Extra sums

1. 7 years -

1 year = 12 months

7 years = $7 \times 12 \text{ months}$
 $= 84 \text{ months}$

2. 13 years

1 year = 12 months

13 years = $13 \times 12 \text{ months}$
 $= 156 \text{ months}$

$$\begin{array}{r} 13 \\ \times 12 \\ \hline 26 \\ 13 \times \\ \hline 156 \end{array}$$

3. 4 years

1 year = 12 months

4 years = $4 \times 12 \text{ months}$
 $= 48 \text{ months}$

4. 15 years =

1 year = 12 months

$$15 \text{ years} = 15 \times 12 \text{ months} \\ = 180 \text{ months}$$

$$\begin{array}{r} 15 \\ \times 12 \\ \hline 30 \\ 150 \\ \hline 180 \end{array}$$

5. 8 years .

1 year = 12 months

$$8 \text{ years} = 8 \times 12 \text{ months} \\ = 96 \text{ months}$$

Home - assignment
Complete the above sent work in
your notebook.