

**Welland Gouldsmith School**  
**Mathematics**  
**Class 4**  
**Chapter 11- Time**

**Synopsis:**

A day has 24 hours. When the hour hand of a clock goes around the clock once 12 hours have passed. The hour hand completes 2 rounds of the clock face twice a day. A.m. or p.m. after the time tells us whether it is morning or evening. A new day begins at 12 o'clock midnight and ends at 12 o'clock the next midnight . We use a.m. (anti meridian) for the time after 12 midnight and before 12 noon. We use p.m. (post meridian ) for the time after 12 noon and before 12 midnight.

Page 164 Ex. B

Write the time 1 hour before:

1) 7:30 a.m.

Ans: 6:30 a.m.

2) 1 p.m.

Ans: 12:00 noon

Ex. C

Give the time 1 hour after:

1) 1:05 p.m.

Ans: 2:05 p.m.

2) 11:15 a.m.

Ans: 12:15 p.m

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The airlines and railways use 24 hours clock for the time- table for eg.

1 :00p.m. in 12 hour clock= 1300 hours in 24 hour clock. 2:00 p.m. is 1400 hours, 3:00 p.m. is 1500 hours ,4 p.m. is 1600, 5 p.m. is 1700 hour and so on.

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Change 12 hour clock to 24 hour clock:

1) 1:15am

$115+1200= 1315$  hours

2) 7:45pm

$745+ 1200= 1945$  hrs

Change 24 hour clock to 12 hour clock:

1) 0515hour = 5.15 am

\*Less than 1200 hr indicates a.m.

2) 1600 hrs  
 $1600 - 1200 = 400 = 4.00\text{p.m.}$

3) 2135hrs  
 $2135 - 1200 = 935 = 9.35\text{p.m.}$

**1. Write the time 1 hour before:**

1. 2:10 a.m.
2. 5:00 p.m.
3. 8:45 p.m.
4. 2:00 a.m.

**2. Give the time 1 hour after:**

1. 8:00 a.m.
2. 3:35 p.m.
3. 5:12 p.m.
4. 7:45 a.m.

**3. How many minutes have passed from:**

1. 8:25 to 9:25
2. 3:00 to 5:00
3. 8:45 to 10:00
4. 2:15 to 3:00

**4. How many hours have passed between:**

1. 8:00 to 10:00
2. 2:00 to 6:00
3. 9:00 to 10:00
4. 3:00 to 5:00

**5. Write the time in 24 hours:**

1. 2:47 a.m.
2. 8:45 p.m.
3. 10:15 p.m.
4. 8:20 a.m.

**Text book Exercises:**

- Pg. 164 Ex. 11.1 B 3,4,5 and 6  
Pg. 164 Ex. 11.1 C 3,4,5 and 6  
Pg. 167 Ex. 11.2 C 1,2,3 and 4  
Pg. 167 Ex. 11.2 C 2,3,4 and 6  
Pg. 170 Ex. 11.4 B 4,5,6 and 7  
Pg. 167 Ex. 11.2 D 1,2,3 and 4