

# Industry Workbook

## Test Your HOS Knowledge!

### Pre-Requisite:

Study the 'MB Industry  
Presentation (HOS 2006)'  
Power-point presentation for  
the background instruction



# Industry Workbook

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Table of Contents**

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# Industry Workbook 'Instructions'

- **There are** 10 problems in this presentation (#1 through #10)
- **Each problem** consists of Graph Grid Log pages for two consecutive days (Day#1 & Day #2)
- **Each problem** is totally independent of all the others



# Industry Workbook

# 'Instructions'

1. Examine each problem separately and identify ALL hours of service violations
2. The first seven problems deal with a single driver; problems eight and nine deal with single sleeper berth and the 10<sup>th</sup> is a team driver as part of a co-driving team (sleeper berth)
3. May we suggest:
  - ◆ Print out the 10 problems (pages 5 to 15), because printed copies may be easier to examine and to use for notes
  - ◆ ***Don't*** look at the solution too quickly! (It is far more beneficial to gain understanding if you spend time finding the violations before looking at the solution!)
4. Have Fun!

# The Problems

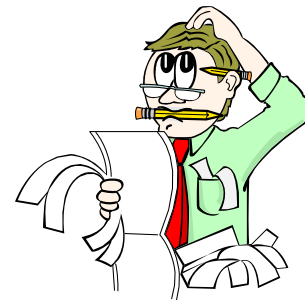
?



?



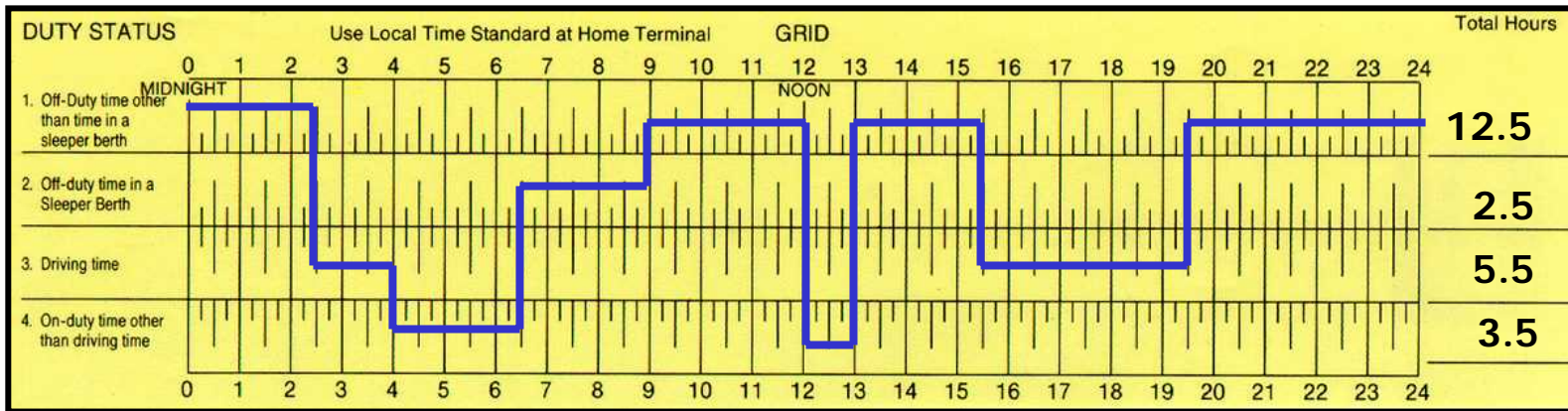
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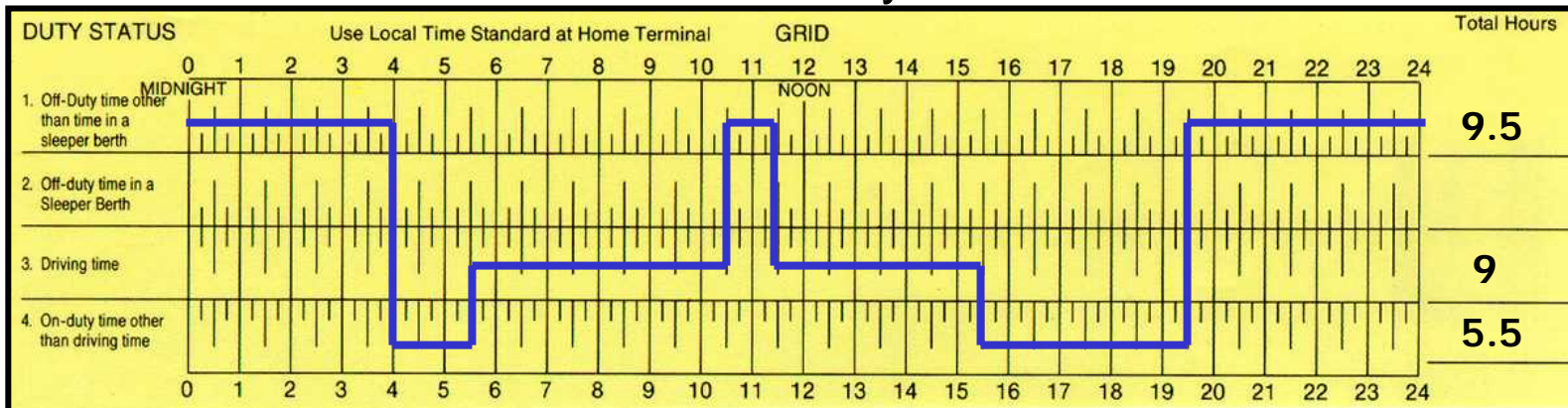
# Question # 1 – Are there any Violations?

8 Hours  
Off Duty

## First Day



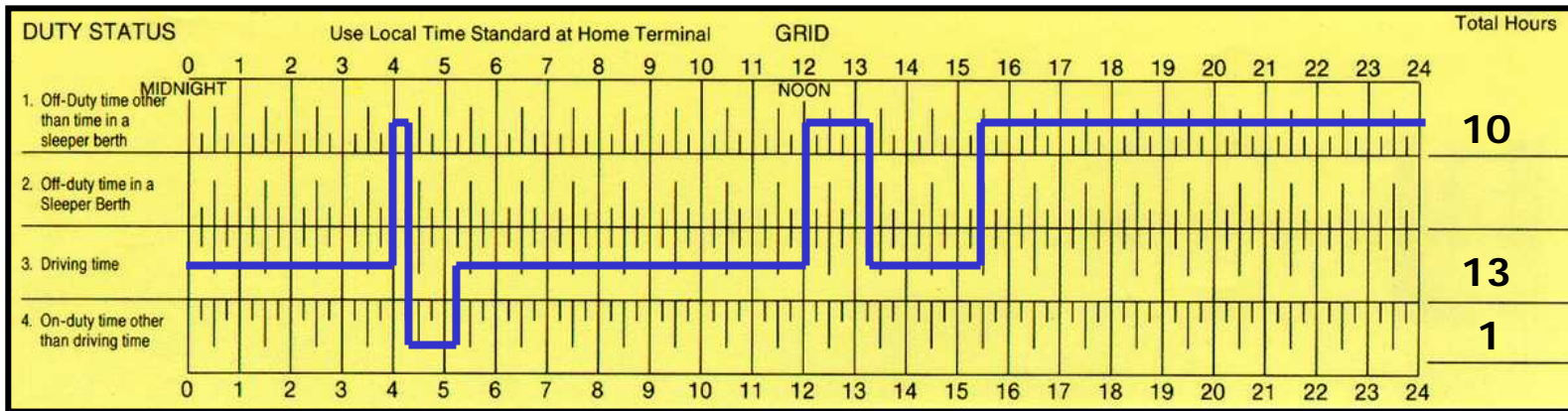
## Second Day



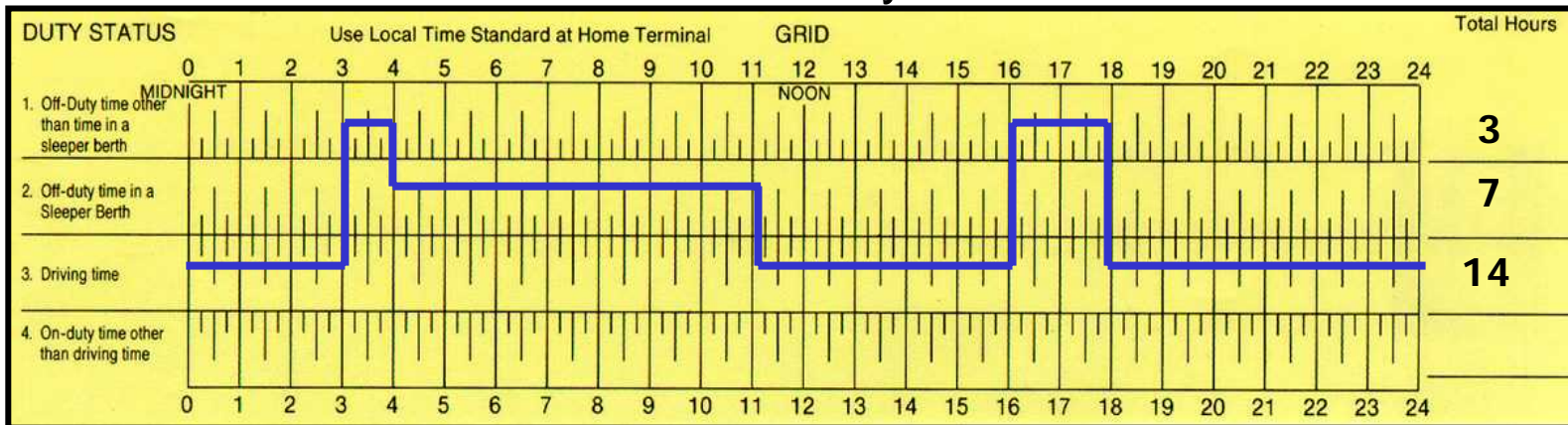
# Question # 2 – Are there any Violations?

8 Hours  
Off Duty

## First Day



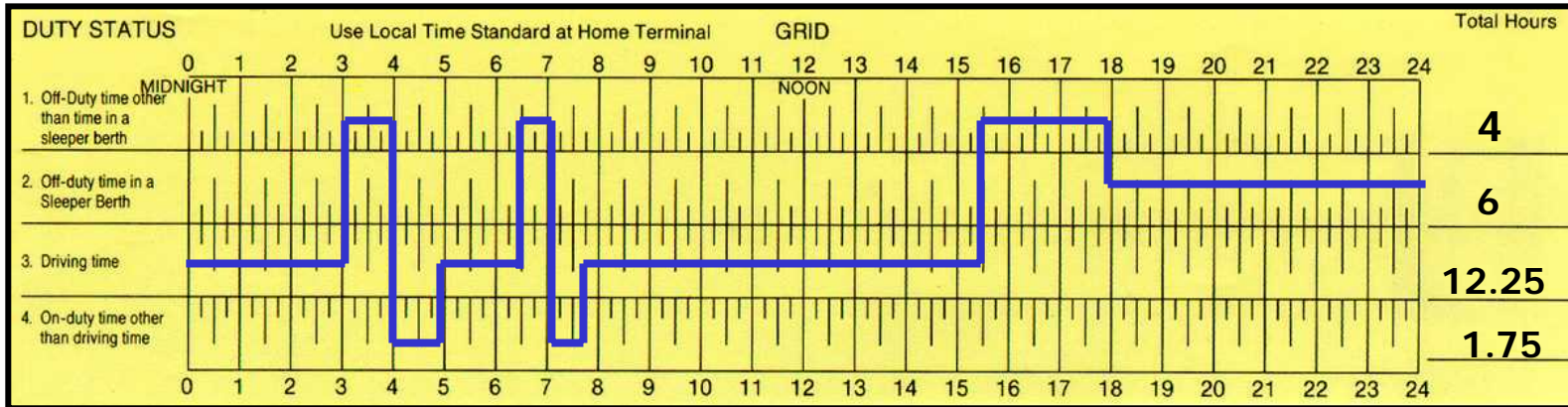
## Second Day



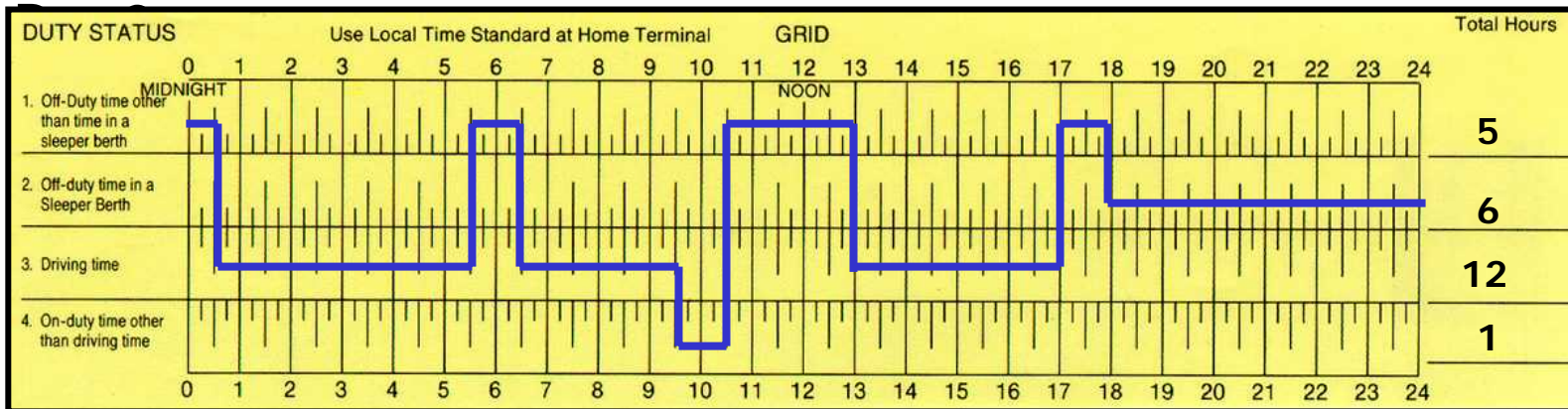
# Question # 3 – Are there any Violations?

**8 Hours  
Off Duty**

## First Day



## Second Day

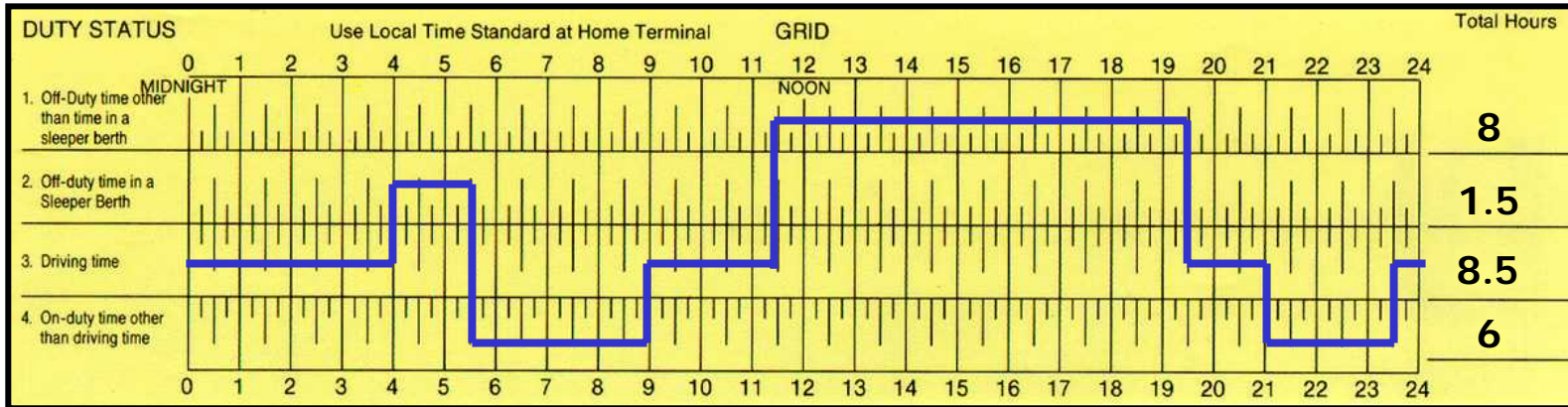




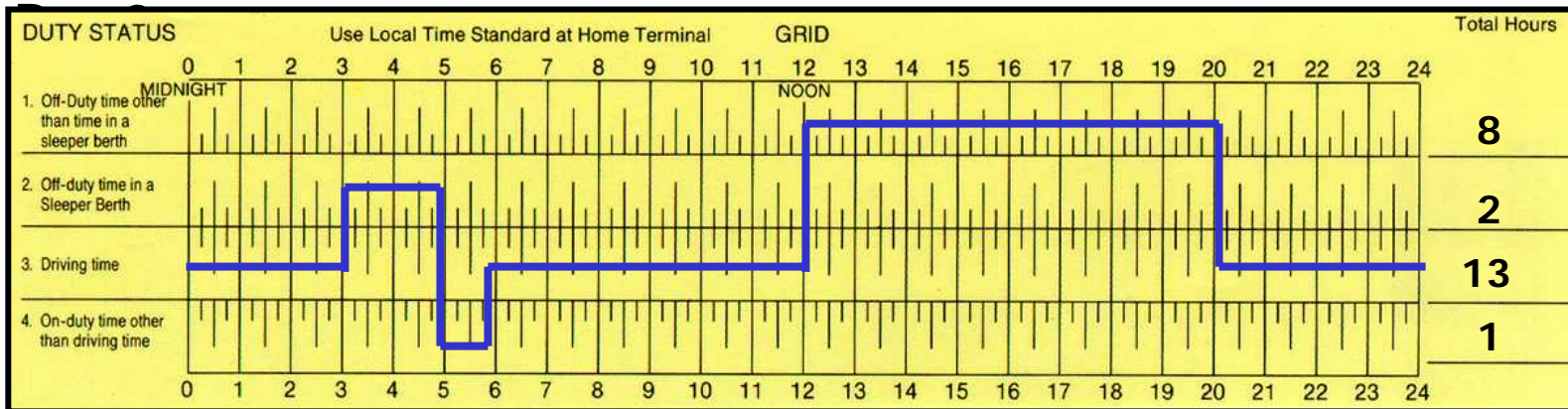
# Question # 4 – Are there any Violations?

**8 Hours  
Off Duty**

## First Day



## Second Day

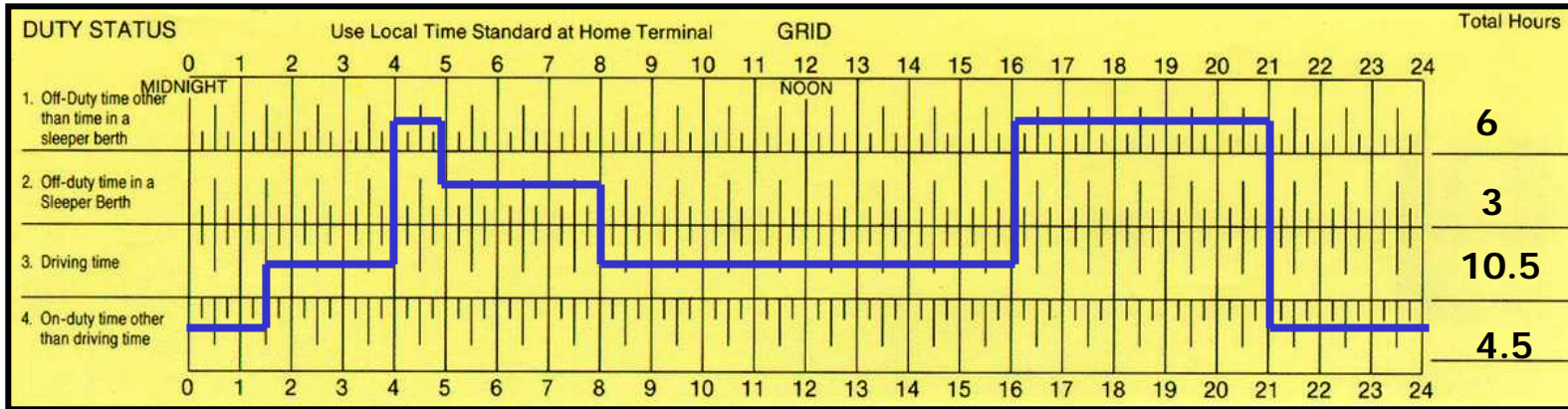


# Question # 5: Are there any Violations?

8 Hours  
Off-Duty

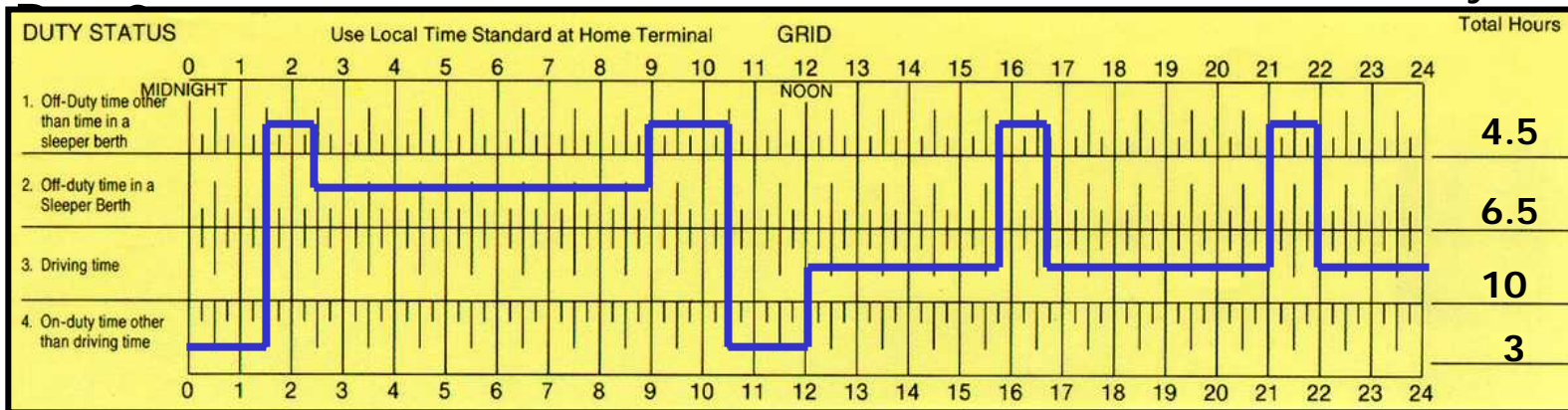
First Day

Day 1



Second Day

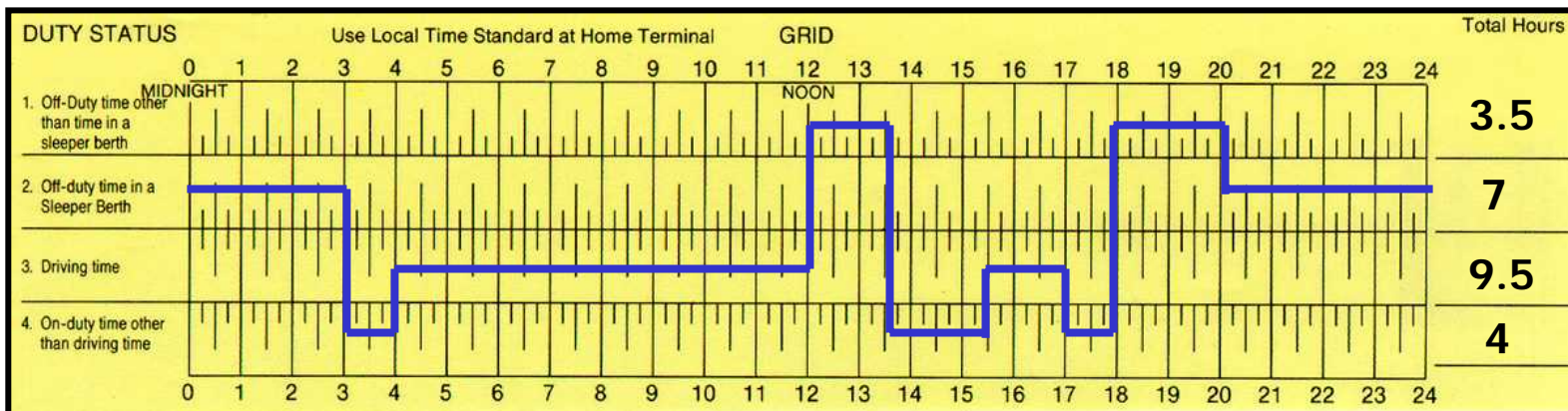
Day 2



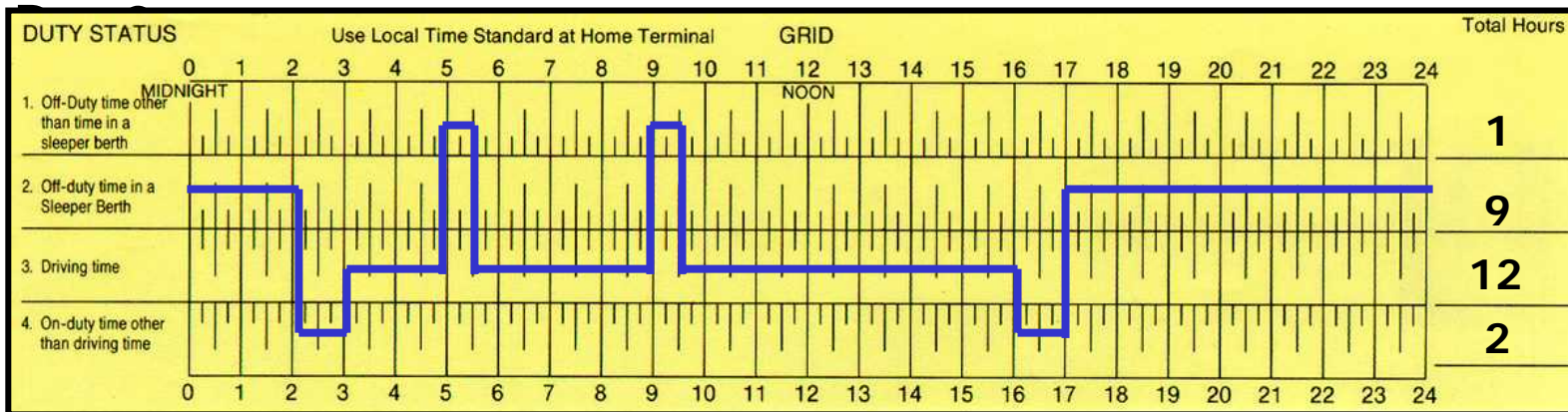
# Question # 6: Are there any Violations?

8 Hours  
Off Duty

## First Day



## Second Day



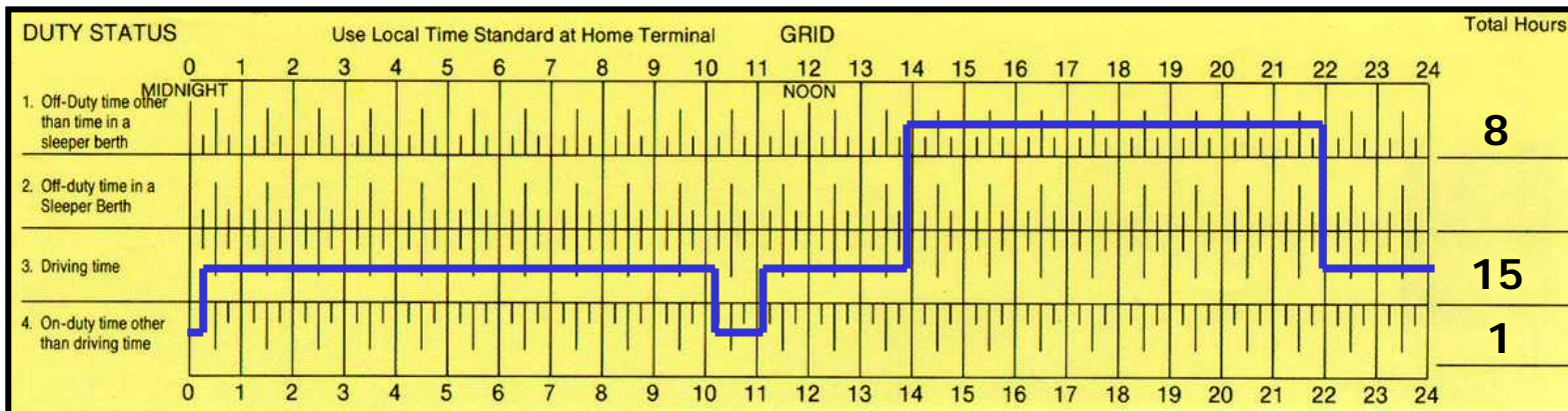
8 Hours  
Off Duty

# Question # 7: Are there any Violations?

8 Hours  
Off Duty

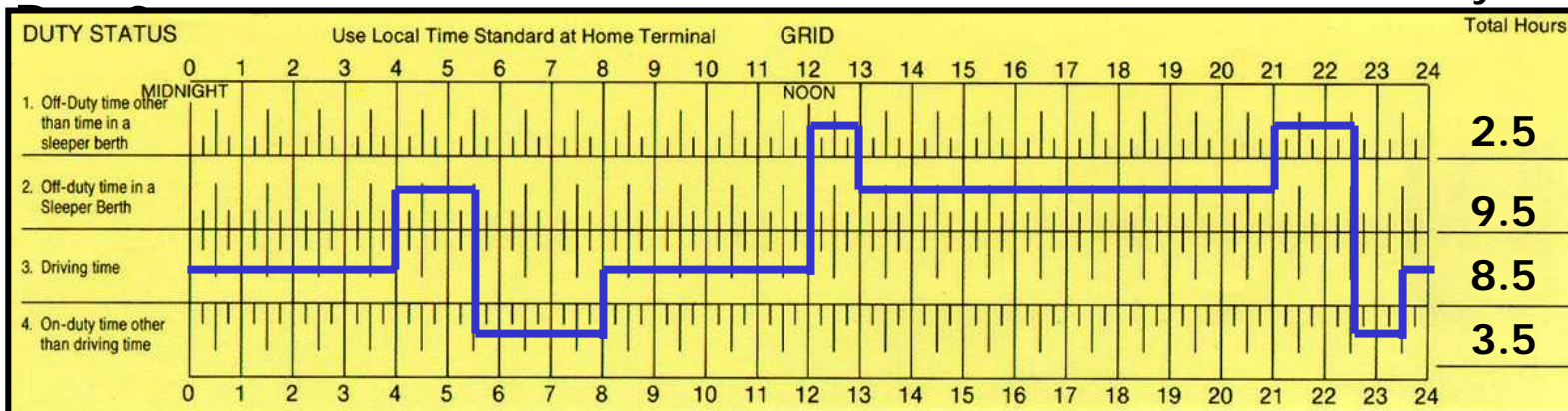
First Day

Day 1



Second Day

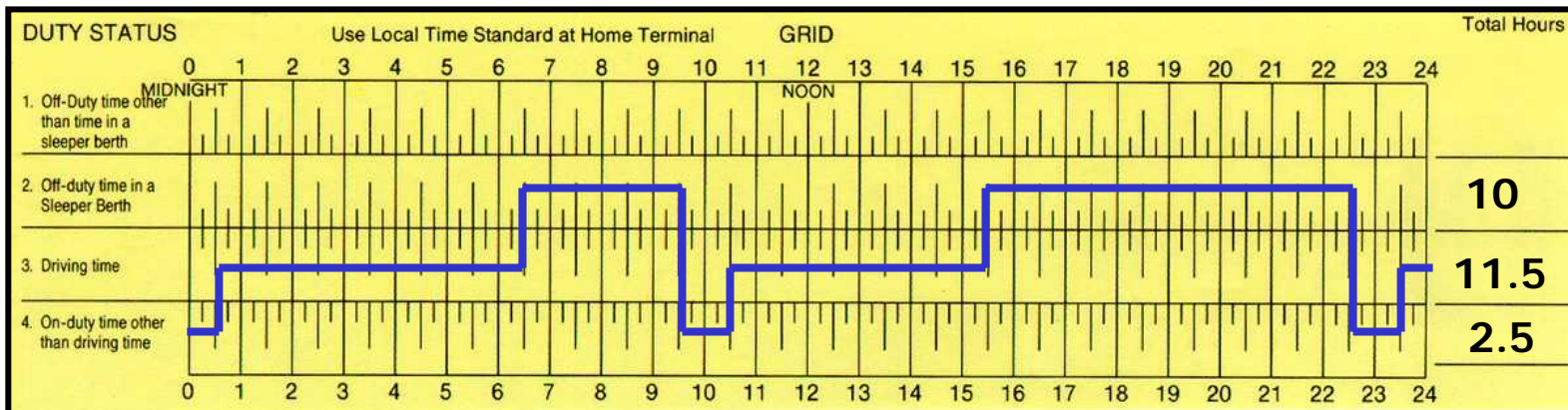
Day 2



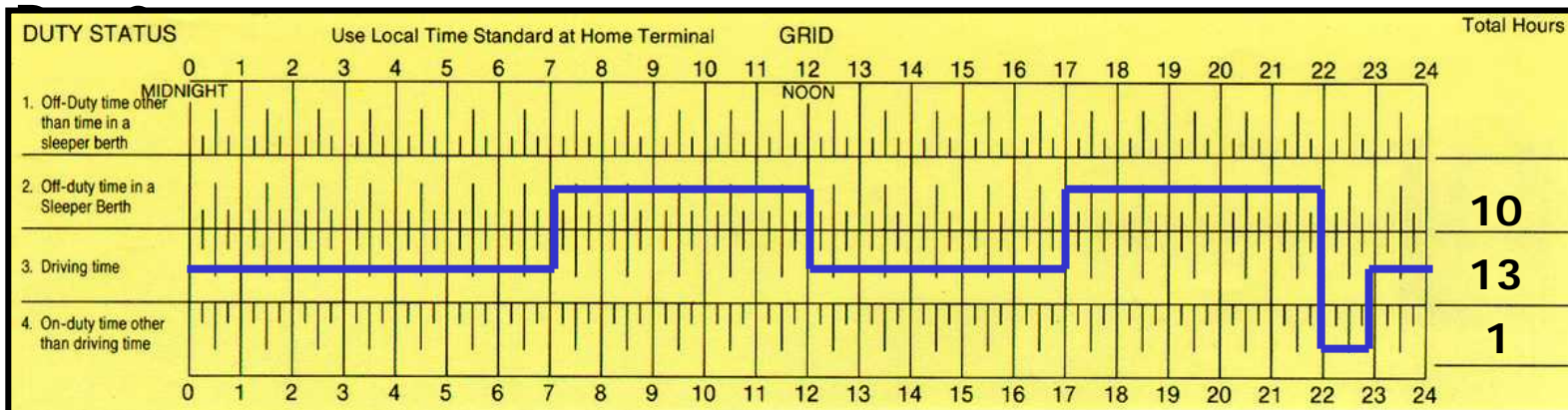
# Question # 8: Are there any Violations?

**8 Hours  
Off Duty**

First Day



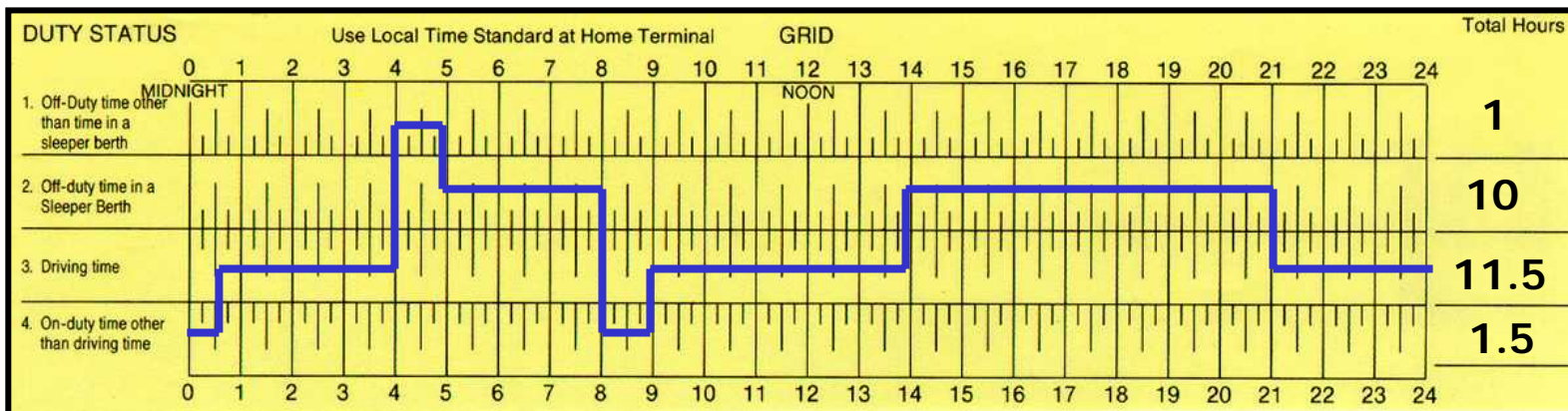
Second Day



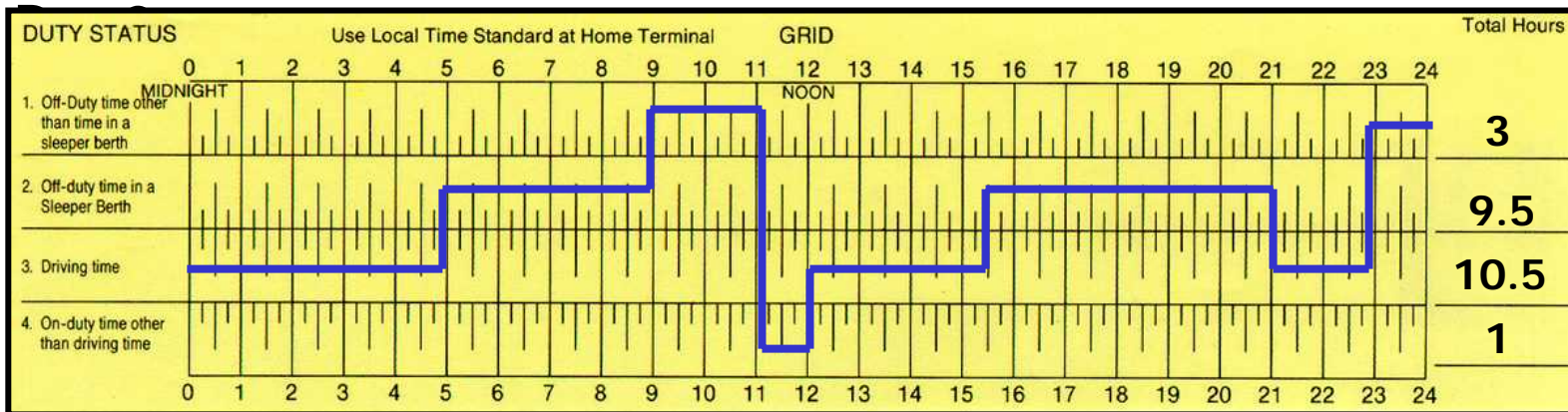
# Question # 9: Are there any Violations?

**8 Hours  
Off Duty**

First Day



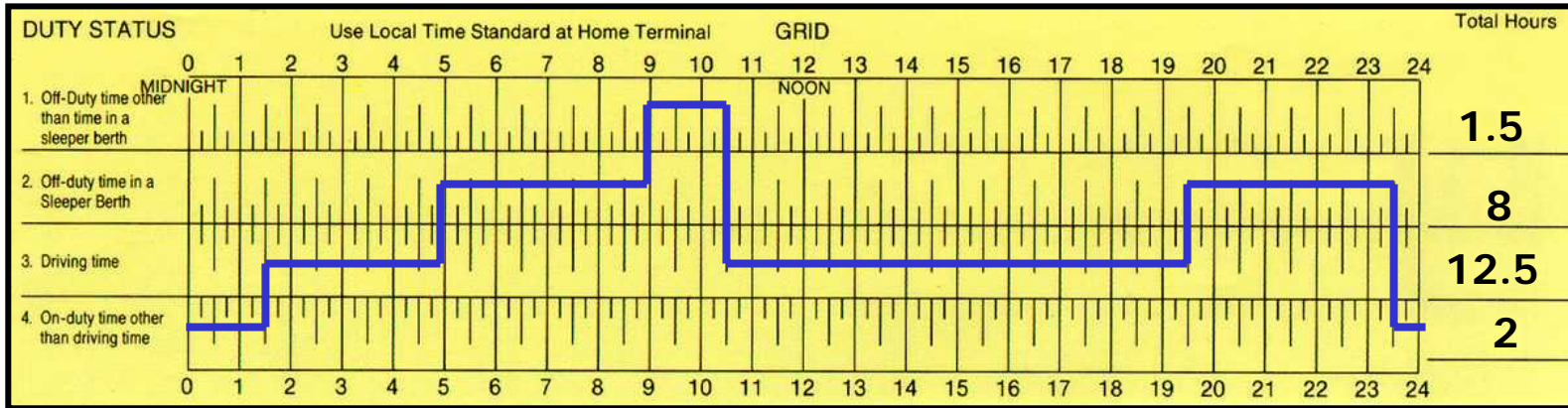
Second Day



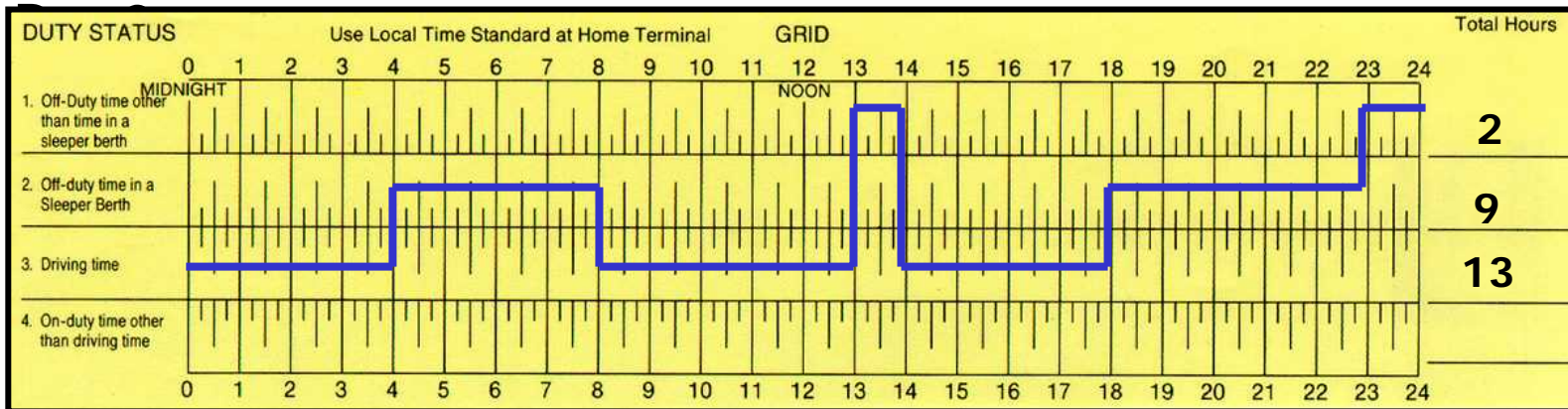
# Question # 10: Team Driver - Are there any Violations?

8 Hours  
Off Duty

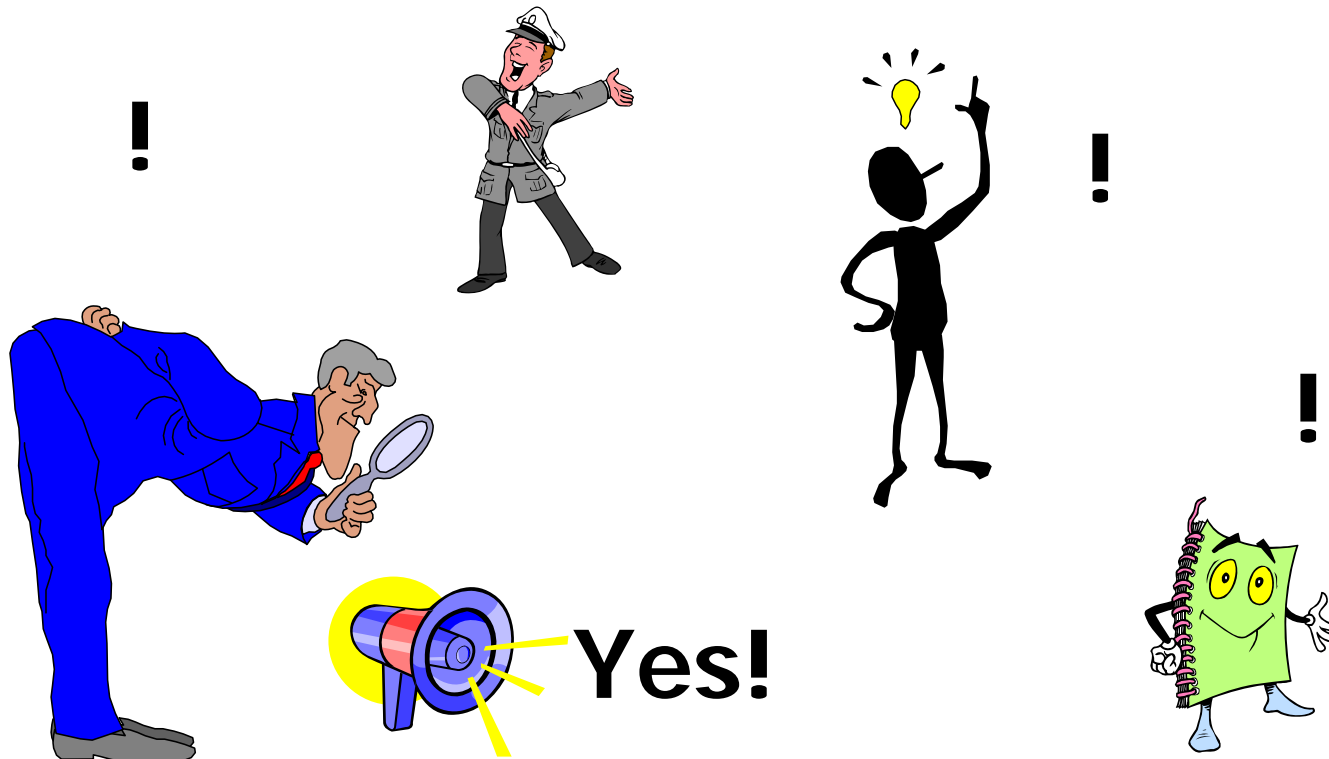
## First Day



## Second Day



# The Solutions



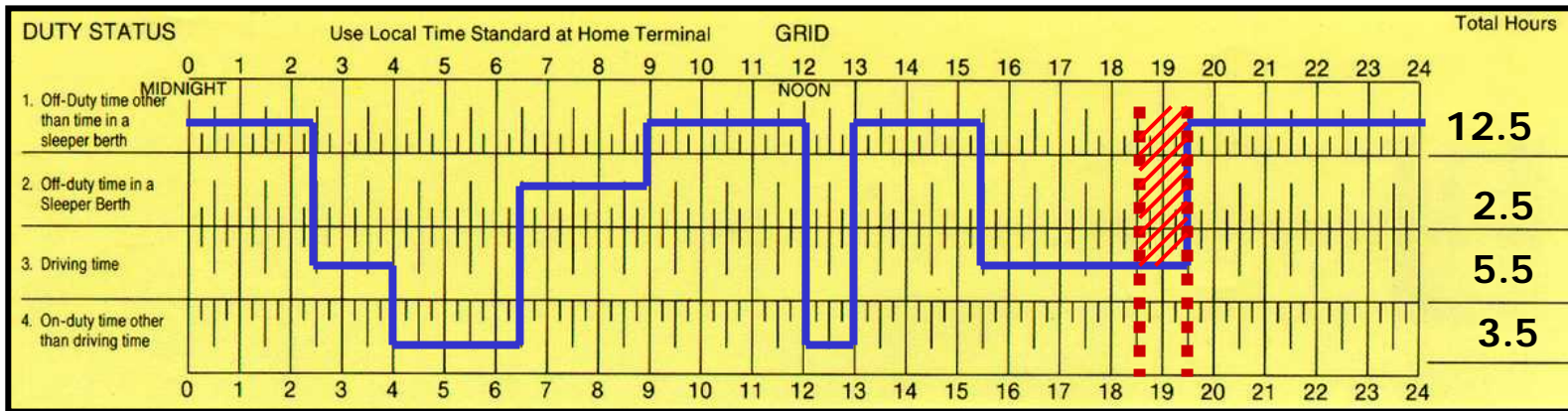


## Answer # 1: There are **Three Violations**

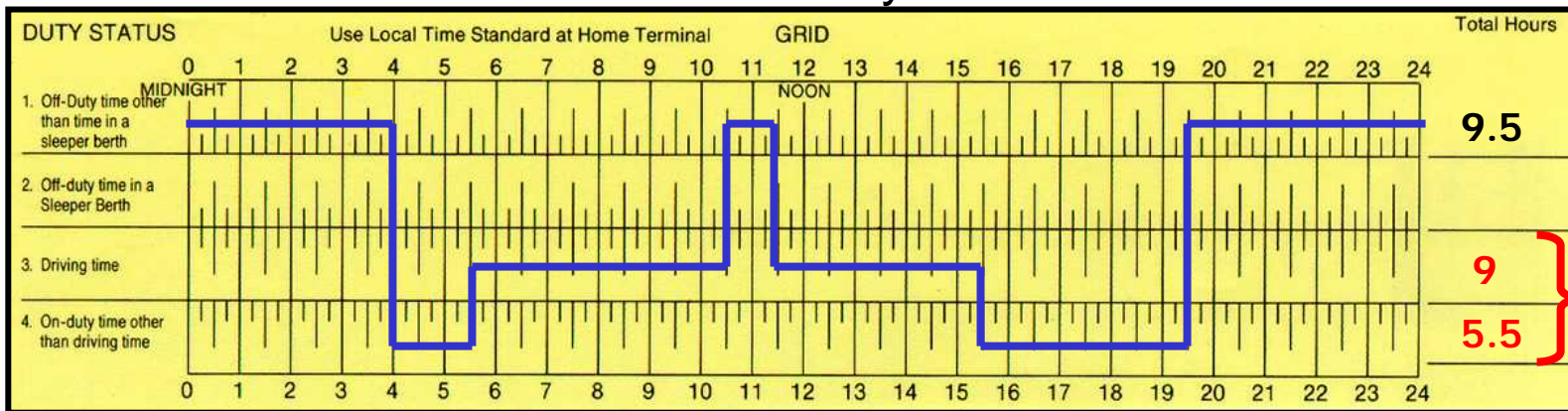
- 1) **Driving After 16 Elapsed Hours (1830-1930) on Day #1**  
**Rule:** After 8 Off-Duty Hours – May not drive after 16 Elapsed Hours
- 2) **Day #2 – Only 9.5 Off-Duty Rules:**  
**Minimum 10 hours Off-Duty** required

8 Off

### First Day



### Second Day

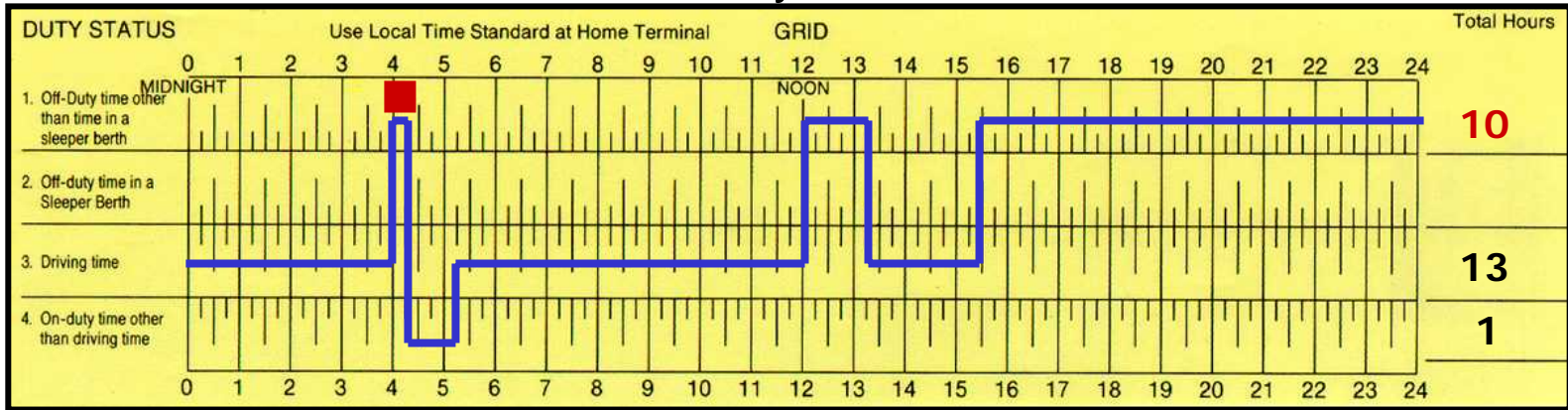


**Answer # 2:** There are **Two Violations**

- 1)** There are not 10 'countable' Off-Duty Hours in Day #1 (0400-0415)  
**Rule:** Off-Duty Time must be in blocks of at least 30 minutes each
- 2)** There are 14 Driving Hours in Day #2 (14<sup>th</sup> hour = 2300-2400)  
**Rule:** Maximum 13.0 Driving Hours in each 24-hour 'Day'

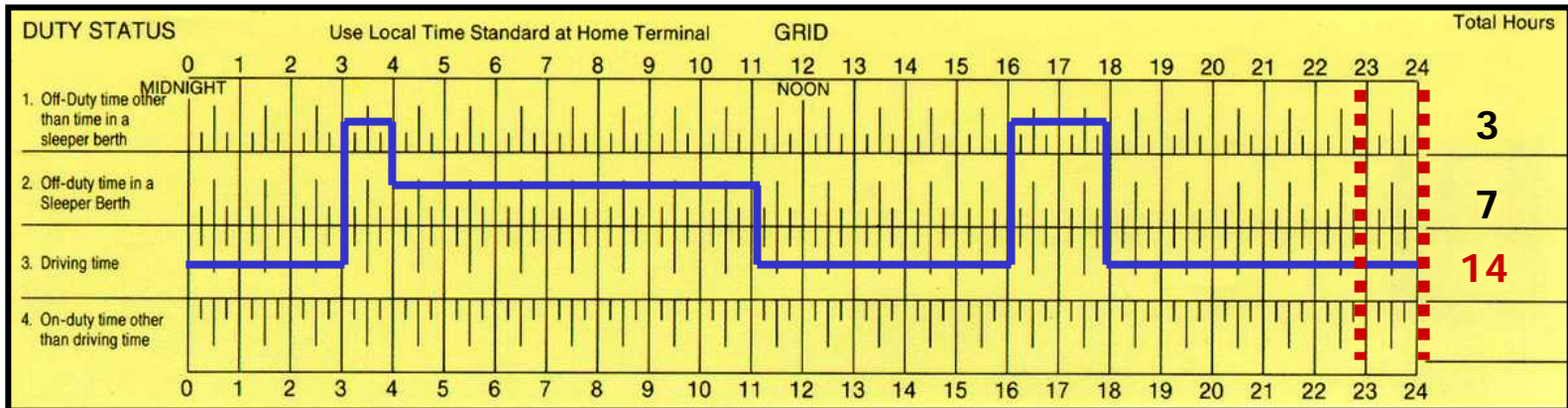
**8 Off**

**First Day**



**Only 9.75  
'Countable'  
Off-Duty  
Hours**

**Second Day**



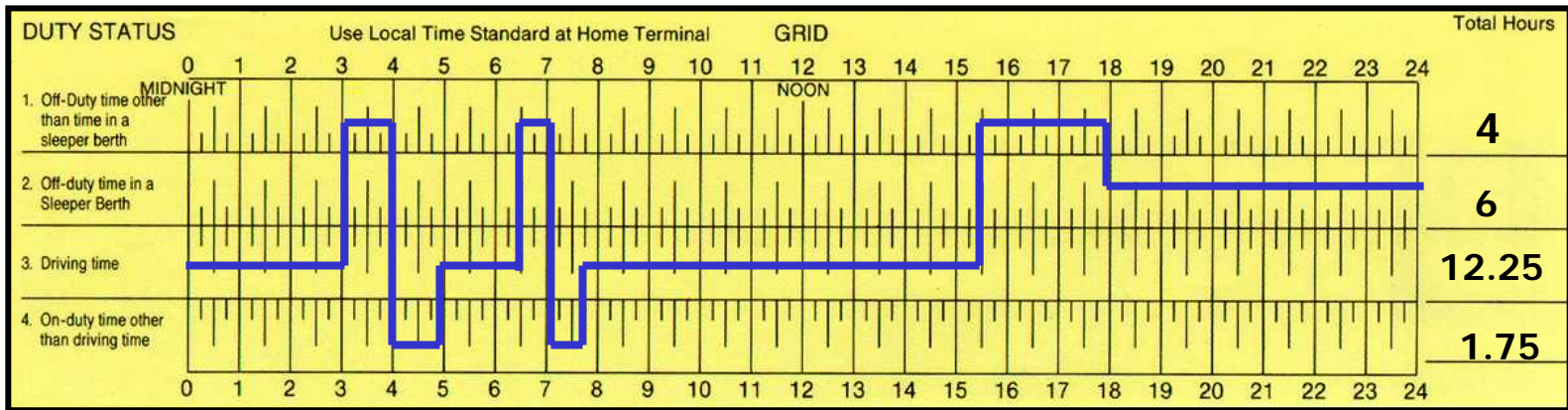
# Answer # 3: There is One Violation

1) Drive ½ Hour After 16 Hours Elapsed on Day #2 (1630-1700)

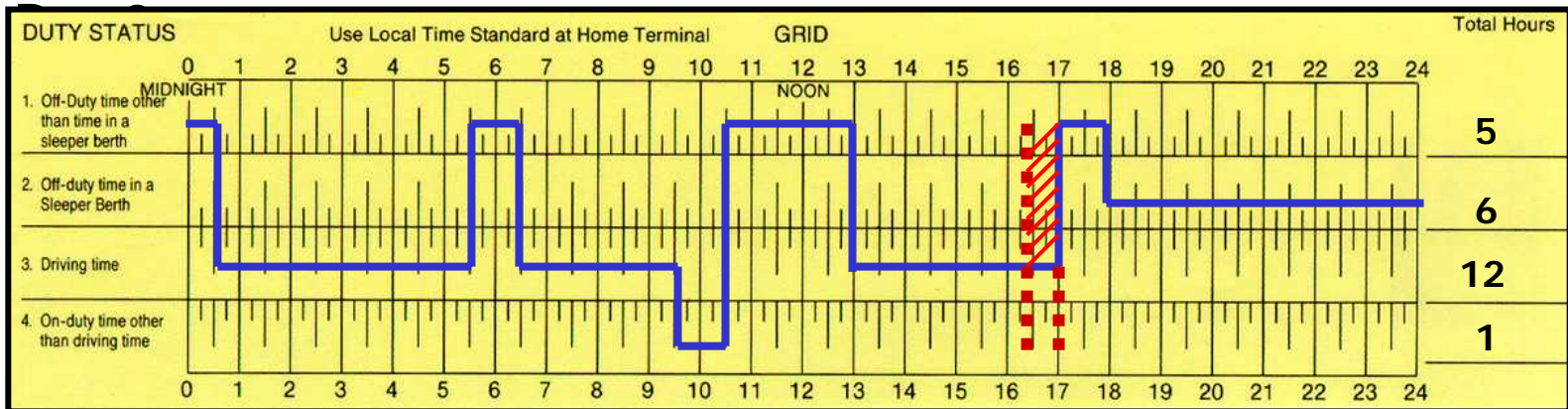
Rule: After 8 Off-Duty Hours, no Driving after 16<sup>th</sup> Elapsed Hour

8 Off

## First Day



## Second Day

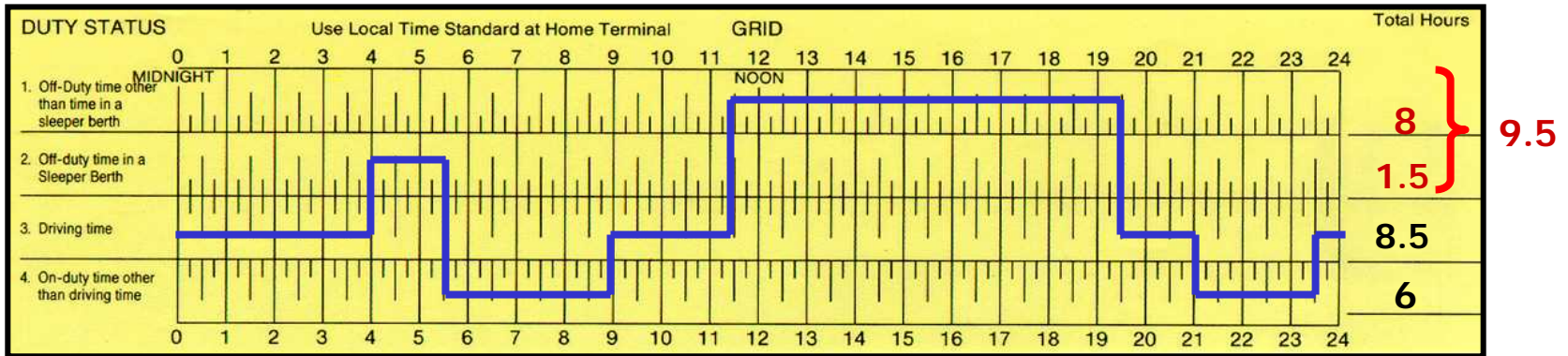


## Answer # 4: There are **Two Violations**

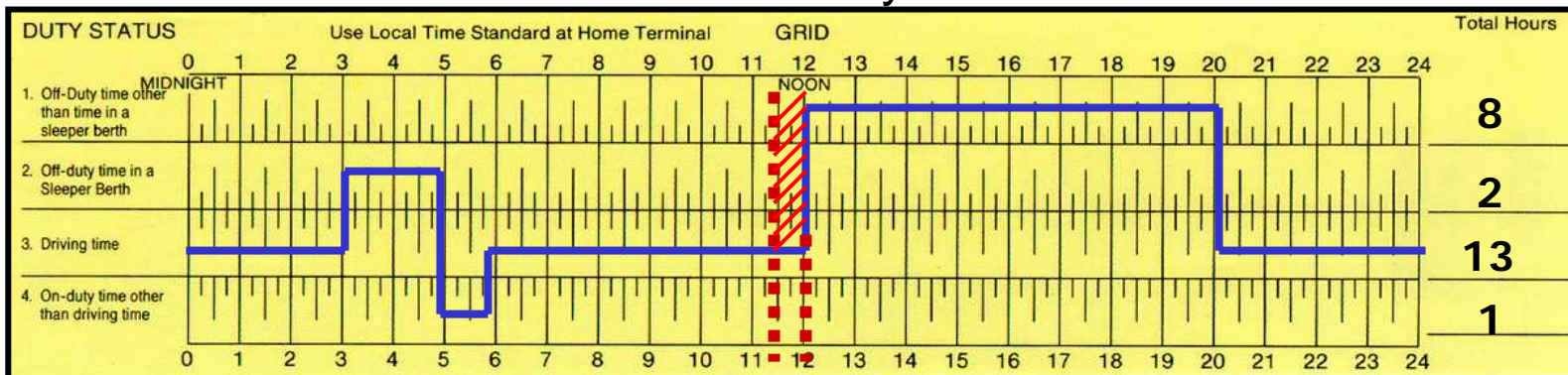
- 1) 9.5 Off-Duty Hours in 'Day' #1  
**Rule:** Minimum 10 Off-Duty Hours in each 'Day'
- 2) Drive After 14<sup>th</sup> On-Duty Hour (1130 Day #2)  
**Rule:** After 8 Off-Duty hours, may not drive after 14<sup>th</sup> On-Duty Hour

8 Off

### First Day



### Second Day



# Answer # 5: There are no Violations

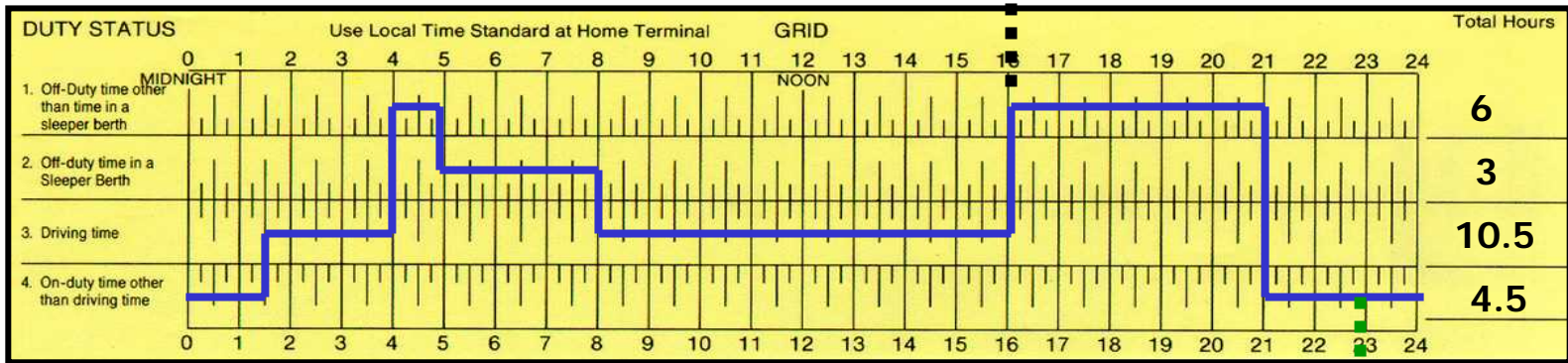
**Rule:** Day #1 **No Driving** occurs after the 14<sup>th</sup> On-Duty hour in both the work-shift and the 'Day' (Note: No Driving occurs after the 16<sup>th</sup> Elapsed Hour Day #1)

**Rule:** There is one (1) 'Off-Duty' Hour deferred from Day #1 to the 8-hour Off-duty block on Day #2 - the hour is deferred to ■ (0130-0230), Day #2

8 Off

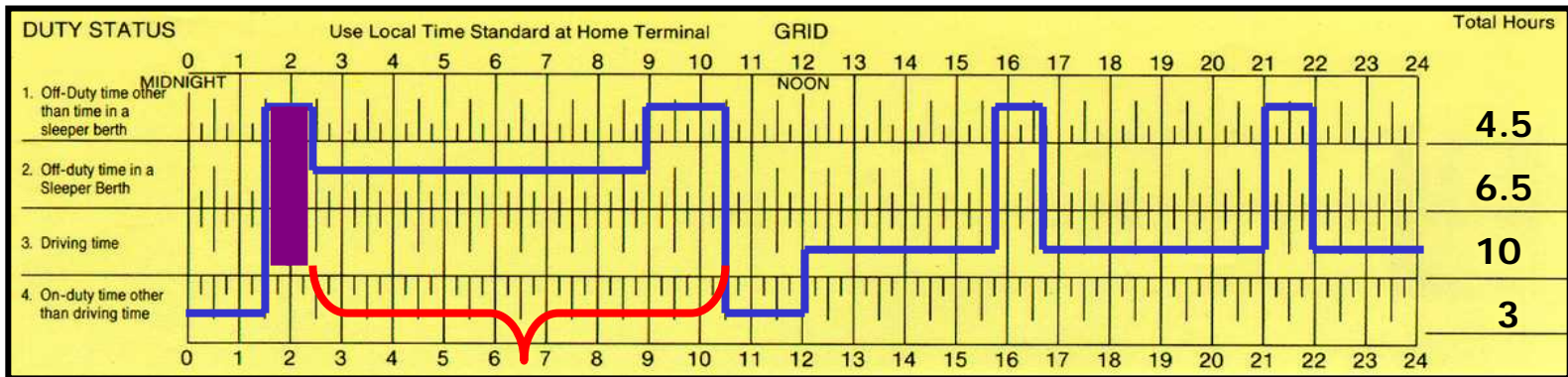
First Day

End of 16 Hour Work-Shift



Second Day

End 14th On-Duty Hour



8 hour off-duty Block (0230-1030)

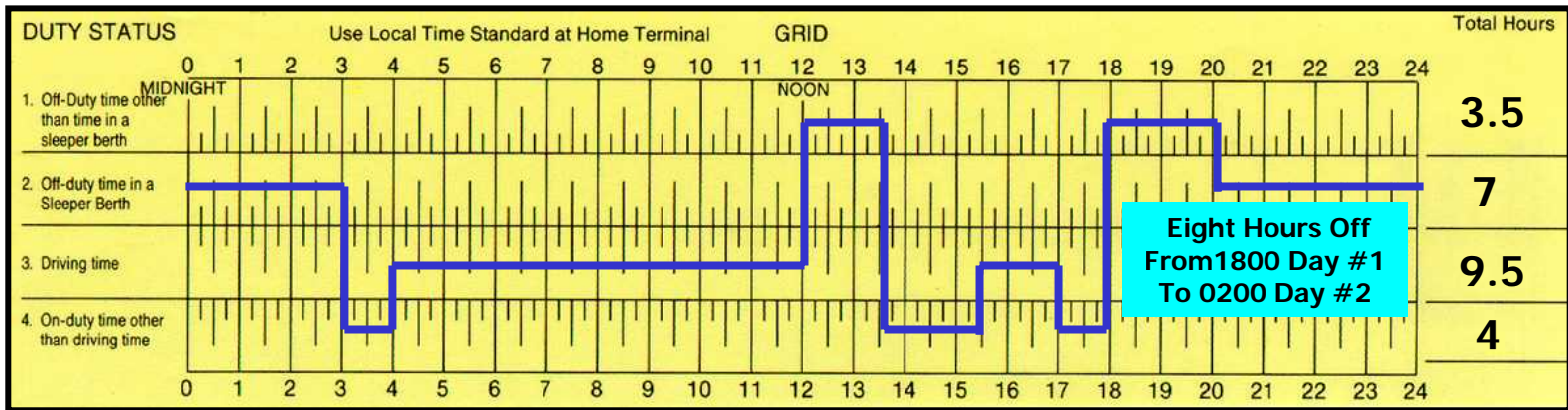
**Answer # 6: There is One Violation**

**1) On Day #2, there is only (1) Hour that is not part of 8 hour time off block**

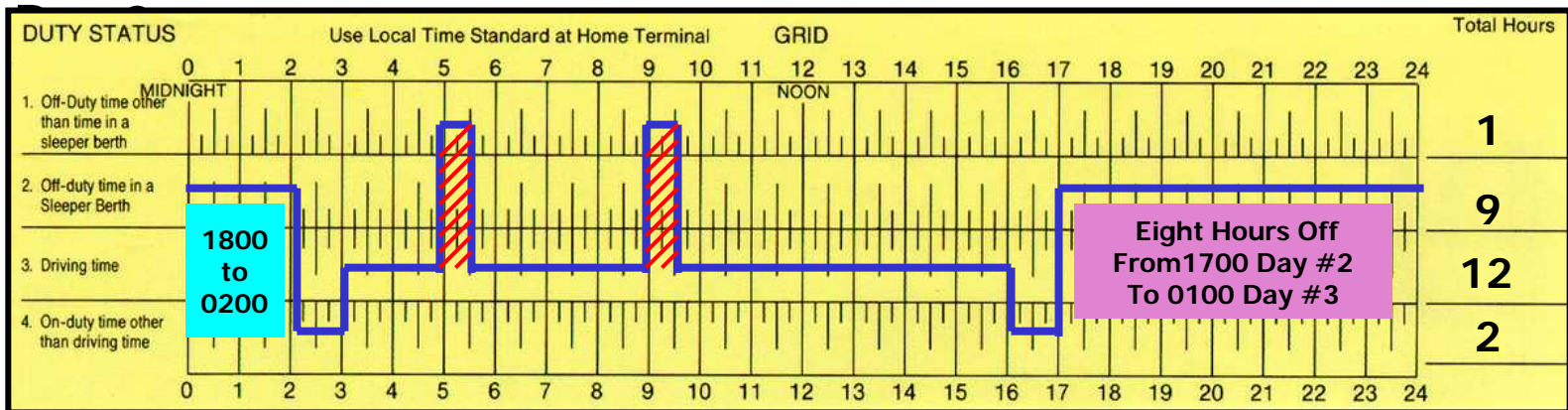
**Rule: Minimum (2) Hours each 'Day' not part of the required 8 hours off-duty**

8 Off

First Day



Second Day



Off-Duty (0500-0530) and (0900-0930) Are the ONLY Times Not part of 8 hour block

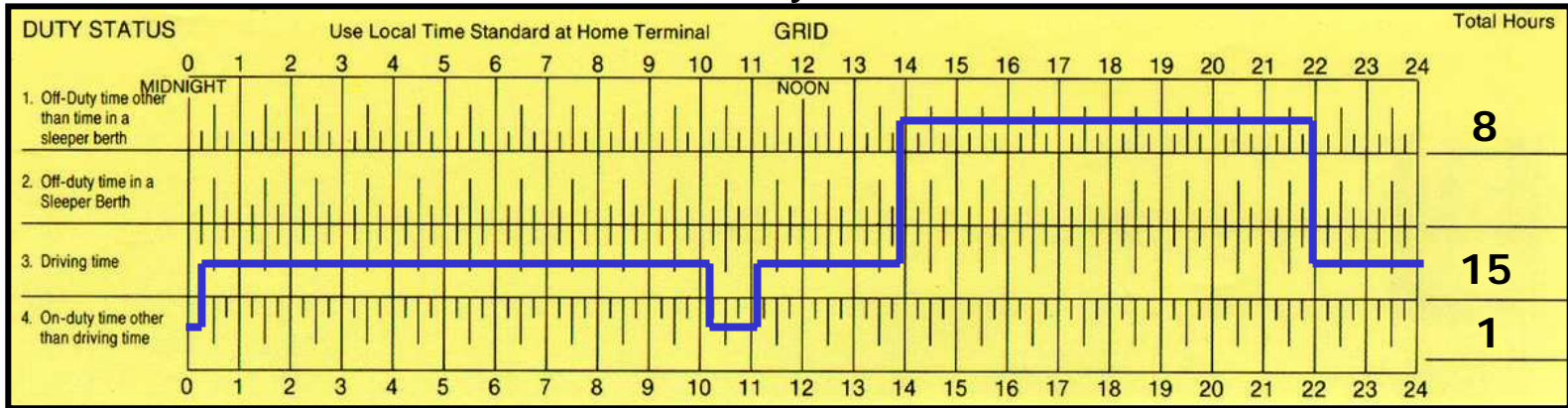
# Answer # 7: There are no Violations

**Rule:** (2) Hours deferred from Day #1 (No Driving after 14<sup>th</sup> On-Duty hour) added to 8-hour block in Day #2 (1230-1430)

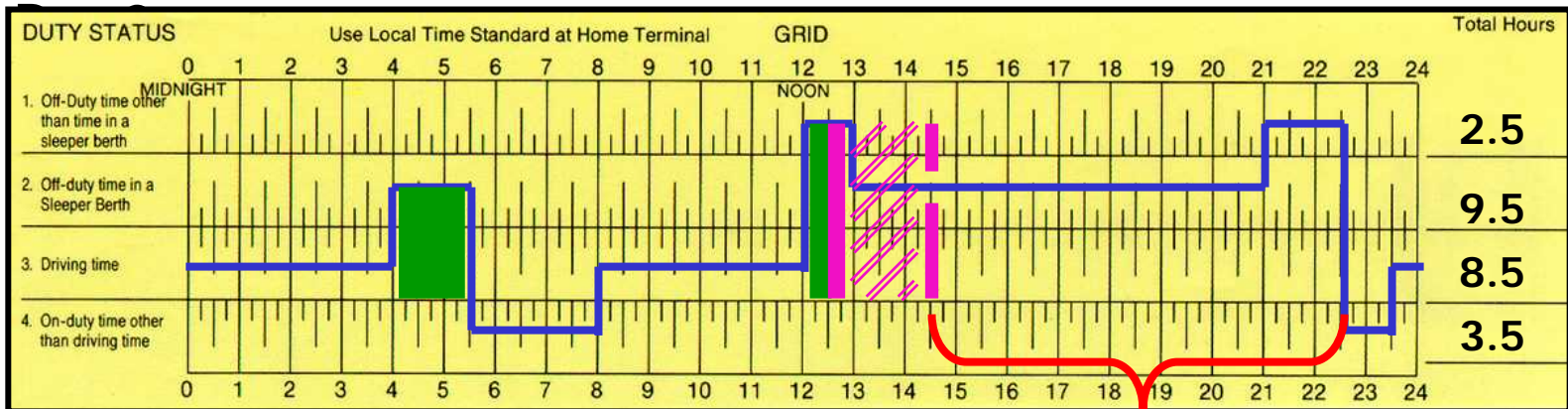
**Rule:** (2) Off-Duty Hours not part of 8 hour Block (0400-0530) & (1200-1230) on Day #2

8 Off

## First Day



## Second Day



8 hour off-duty Block (1430-2230)

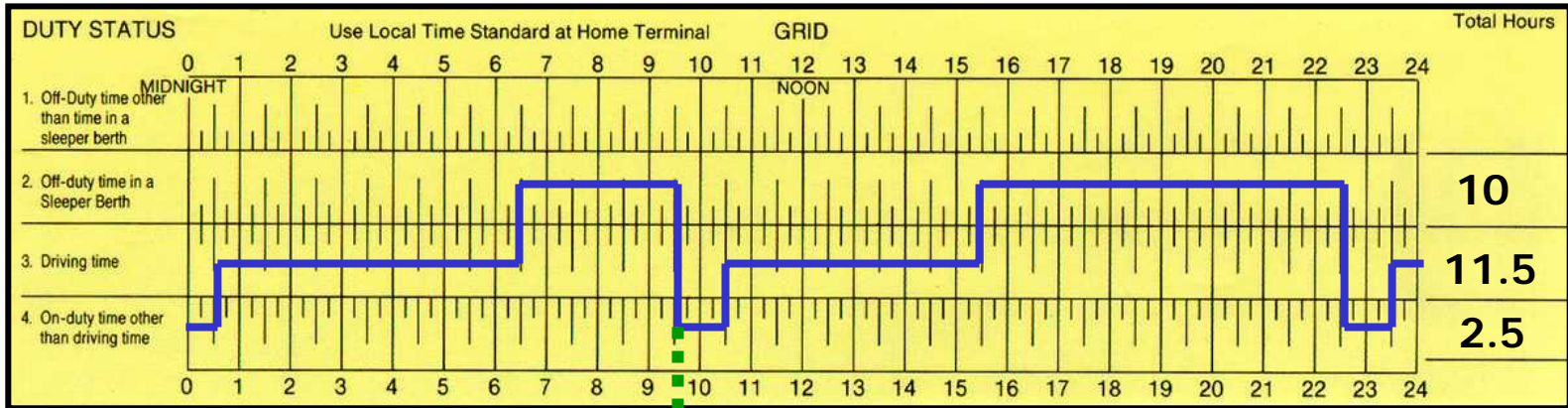
# Answer # 8: There is **One Violation**

**1) Drive ½ Hour After 14<sup>th</sup> On-Duty Hour on Day #2 (0630-0700)**

**Rule: Sleeper Berth Splits, May not drive after 14<sup>th</sup> On-Duty Hour**

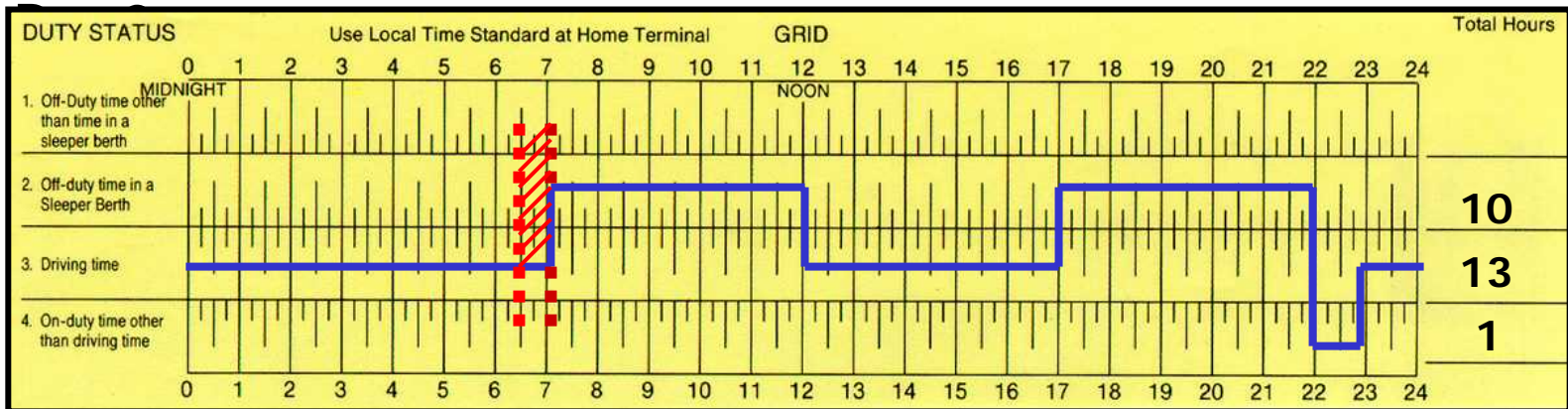
8 Off

First Day



Second Day

Start Counting Driving/On-Duty from 0930, Day #1





# Answer # 9: There is One Violation

1) Day #2 Sleeper (1530-2100) is 5.5 hours (must be at least 6 hours)

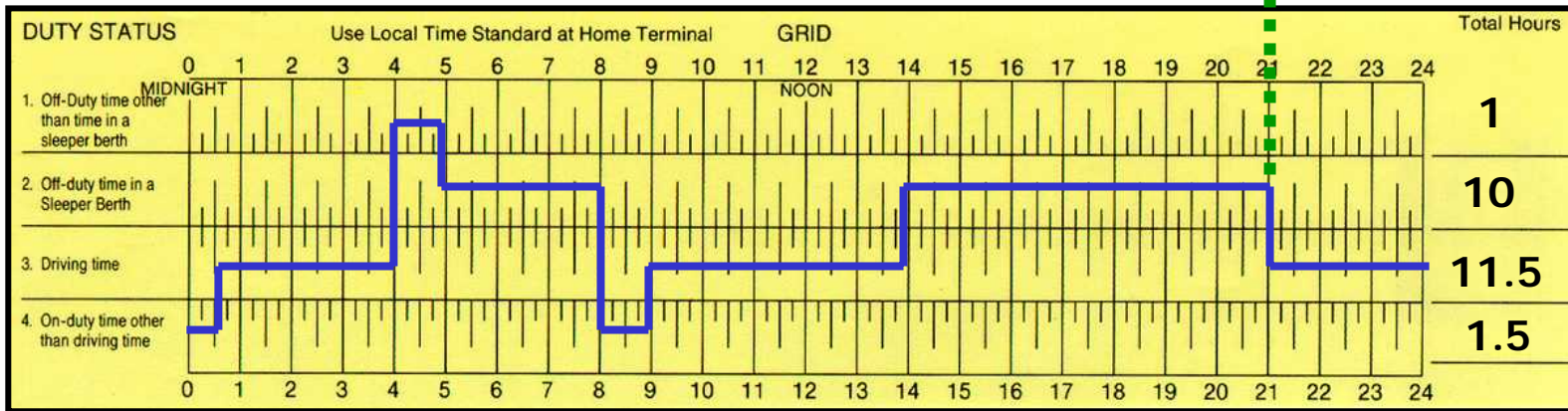
Rule: Two subsequent 'counting' Berths must total at least 10 hours.

Result = Violation of 16<sup>th</sup> Elapsed, 13 Driving & 14 On-Duty Hour Rules

8 Off

## First Day

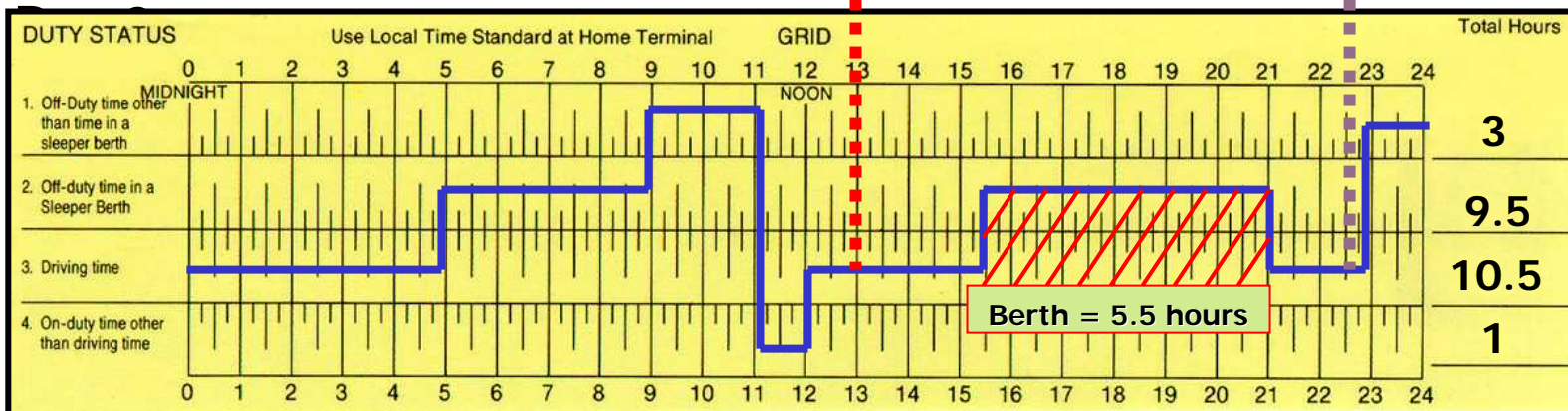
Start Count (2100) Hours



## Second Day

16<sup>th</sup> Elapsed Hour

13 Driving & 14<sup>th</sup> Duty HR.



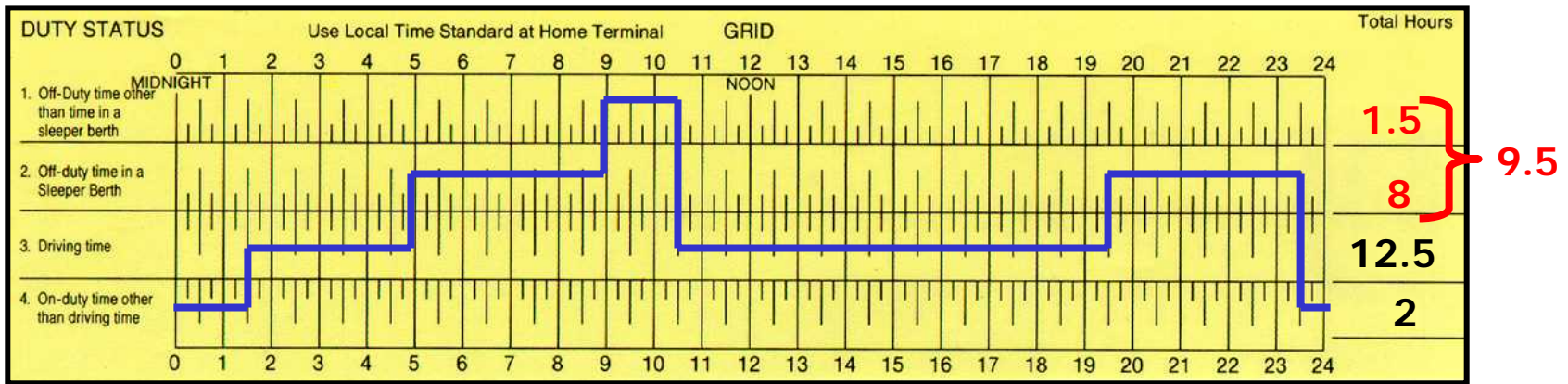
# Answer # 10: There is **One Violation**

## 1) 9.5 Off-Duty Hours in 'Day' #1

**Rule:** Requirement for minimum 10 Off-Duty Hours each 'Day' *also* applies whenever single/team drivers utilize Sleeper Split provision

8 Off

### First Day



### Second Day

