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**Readings**

Reading Check due  
Mar 15, 2016 at 18:00  
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**Lecture Videos**

Comprehension Check  
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**Problem Set**

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## Question 2

A professor asked her students to report how much time they spent completing a take-home exam. The minimum time reported was half an hour, and the maximum was six and a half hours. She compiled the data into a relative frequency table, shown below. Note that one value is missing.

Time Spent on Exam	Relative Frequency
Less than 1 hour	20%
At least 1 hour, but less than 2 hours	20%
At least 2 hours, but less than 3 hours	
At least 3 hours, but less than 4 hours	15%
At least 4 hours, but less than 5 hours	15%
At least 5 hours, but less than 6 hours	10%
At least 6 hours, but less than 7 hours	5%

(3/4 points)

2a. A total of 6 students reported that they worked on the take-home exam for 5 hours or longer. What is the total number of students that reported their time?

✗ Answer: 40

2b. How many students spent **fewer** than 3 hours completing the take-home exam?

✓ Answer: 22

22

► Week 3:  
Bivariate  
Distributions

► Week 4:  
Bivariate  
Distributions  
(Categorical  
Data)

2c. If the professor wanted to report the center of this distribution, which measure of center should she use?

☐ Mode

☐ Mean

☒ Median ✓

2d. Which bin includes the value of Q3?

☒ At least 4 hrs, but less than 5 hrs ✓

☐ At least 5 hrs, but less than 6 hrs

☐ At least 6 hrs, but less than 7 hrs

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