edX

Question 2
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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%

problem

4/4 points (graded)

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?

40 ✔

40

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

22 ✔

22

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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