

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 hr	20%
At least 1 hr, but less than 2 hrs	20%
At least 2 hrs, but less than 3 hrs	
At least 3 hrs, but less than 4 hrs	15%
At least 4 hrs, but less than 5 hrs	15%
At least 5 hrs, but less than 6 hrs	10%
At least 6 hrs, but less than 7 hrs	5%

(4/4 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?


Help

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

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

[Check](#)[Show Answer](#)[Help](#)

EdX offers interactive online classes and MOOCs from the world's best universities. Online courses from MITx, HarvardX, BerkeleyX, UTx and many other universities. Topics include biology, business, chemistry, computer science, economics, finance, electronics, engineering, food and nutrition, history, humanities, law, literature, math, medicine, music, philosophy, physics, science, statistics and more. EdX is a non-profit online initiative created by founding partners Harvard and MIT.

© 2014 edX, some rights reserved.

[Terms of Service and Honor Code](#)

[Privacy Policy \(Revised 4/16/2014\)](#)

About & Company Info

[About](#)[News](#)[Contact](#)[FAQ](#)[edX Blog](#)[Donate to edX](#)[Jobs at edX](#)

Follow Us

[!\[\]\(aff7c69c44a5e015f18c35867ef3f5c3_img.jpg\) Twitter](#)[!\[\]\(c15650232aa6660c9deb34f3b82dcb72_img.jpg\) Facebook](#)[!\[\]\(1ed10657a19f9137278430c48fd18626_img.jpg\) Meetup](#)[!\[\]\(4c9516d2c24d0d513bc9f84c2e013d65_img.jpg\) LinkedIn](#)[!\[\]\(a25a22d88c5882f4a20f36103df86562_img.jpg\) Google+](#)