

 Lagunita is retiring and will shut down at 12 noon Pacific Time on March 31, 2020. A few courses may be open for self-enrollment for a limited time. We will continue to offer courses on other online learning platforms; visit <http://online.stanford.edu>.

Course > EDA: Examining Distributions > One Quantitative Variable: Graphs > Extra Problems

 Bookmark this page

Extra Problems

These extra questions are here to give you more practice if you feel you need it. No new concepts are introduced on this page. If you've "got it", go ahead and move on to the next page. If you'd like a little more practice, work through the questions below.

Question

1/1 point (graded)

Thirty-two students were asked the number of servings of fruits and vegetables they eat daily. The results are displayed in the histogram below.

How many of the students surveyed eat at least 4 servings of fruits and vegetables daily?

☐ 4

☐ 8

☒ 12 ✓

☐ 20

☐ 28

Answer

Correct: "At least 4" means "4 or more", which is $8 + 3 + 1 = 12$.

Submit

Question

1/1 point (graded)

Thirty-two students were asked the number of servings of fruits and vegetables they eat daily. The results are displayed in the histogram below.

What percentage of the students surveyed eat no more than 3 servings of fruits and vegetables daily?

☐ 20

☐ 31.2%

☐ 37.5%

☒ 62.5% ✓

☐ 68.8%

Answer

Correct:

There are 20 students who eat no more than 3 servings daily and a total of 32 students. So, $20/32 = 0.625$ or 62.5%.

Submit

Question

1/1 point (graded)

Thirty-two students were asked the number of servings of fruits and vegetables they eat daily. The results are displayed in the histogram below.

What proportion of the students surveyed eat exactly 5 servings of fruits and vegetables daily?

☐ 0.063

☒ 0.094 ✓

☐ 0.156

☐ 2

☐ 3

Answer

Correct:

There are 3 students who ate exactly 5 servings of fruits and vegetables daily and a total of 32 students. So, $3/32 = 0.09375$, which can be rounded to 0.094.

Submit

Question

1/1 point (graded)

A survey was conducted to see how many phone calls people made daily. The results are displayed in the table below:

Number of calls made	Frequency
1 - 4	16
5 - 8	11
9 - 12	5
13 - 16	3
17 - 20	1

How many of the people surveyed make less than 9 phone calls daily?

☐ 3

☐ 8☐ 9☒ 27 ✓☐ 32**Answer**

Correct: The frequencies between 1 - 8 calls add up to 27: $16 + 11 = 27$.

Submit**Question**

1/1 point (graded)

A survey was conducted to see how many phone calls people made daily. The results are displayed in the table below:

Number of calls made	Frequency
1 - 4	16
5 - 8	11
9 - 12	5
13 - 16	3
17 - 20	1

How many people were surveyed?

☐ 7.2☐ 20☒ 36 ✓☐ 226

Answer

Correct:

The total number of people surveyed is found by adding up all the frequencies: $16 + 11 + 5 + 3 + 1 = 36$ people.

Submit

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