

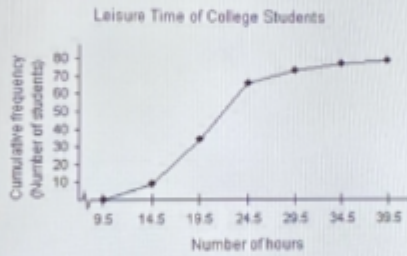
Stat

Question 1

2.5 pts

Provide an appropriate response.

Use the ogive below to approximate the number in the sample.



1) 80

- 100
- 341
- 28
- 80

Question 2

Provide an appropriate response.

Classify the events as dependent or independent. Events A and B where $P(A) = 0.8$, $P(B) = 0.1$, and $P(A \text{ and } B) = 0.07$

- independent
- dependent

$$(0.8)(0.1) = 0.08$$

← Previous

Not equal to 0.07
dependent

Not

Provide an appropriate response.

Classify the events as dependent or independent. Events A and B where $P(A) = 0.7$, $P(B) = 0.7$, and $P(A \text{ and } B) = 0.49$

dependent

independent

← Previous

Not s

Q3) Independent because $P(A \text{ and } B)$ is equal to the product of $P(A)$ and $P(B)$

Question 4

Provide an appropriate response.

The top 14 speeds, in miles per hour, for Pro-Stock drag racing are listed below. Find the mean speed.

181.1 202.2 190.1 201.4 191.3 201.4 192.2

210.9

201.2

196.1

195.8

◀ Previous

$$= (181.1 + 202.2 + 190.1 + 201.4 + 191.3 + 200.7) / 6$$
$$= 195.8$$

Question 5

Provide an appropriate response.

$\frac{55}{252}$

$\frac{127}{252}$

$\frac{5}{63}$

$\frac{71}{252}$

$P(A \text{ or } B)$

$\frac{1}{4}$

◀ Previous

Question 7

Provide an appropriate response.

In a pizza takeout restaurant, the following represents the number of toppings for a large pizza.

x	$P(x)$
0	0.30
1	0.40
2	0.20
3	0.06
4	0.04

- mean: 1.30; standard deviation: 1.54
- mean: 1.30; standard deviation: 2.38
- mean: 1.14; standard deviation: 1.04
- mean: 1.54; standard deviation: 1.30

X

0

1

2

3

4

P

0.30

0.40

0.20

0.00

0.00

and

the mean of the grouped data.

Frequency

29

12

18

2

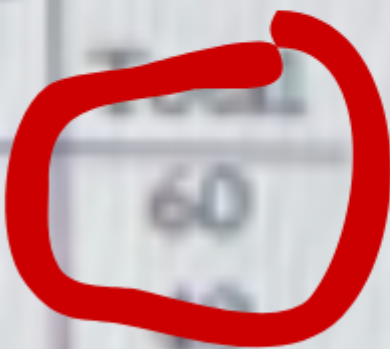
16

$$8 + 7.5 * 2 + 9.5 * 16]$$

response,

are asked if they carry a credit card

Not a Credit Card Carrier	Total
15	60
8	50
23	100



at random, find the probability that
answer to three decimal places.

$$\frac{45}{60}$$