Identify the population and the sample.

1) When 1564 American households were surveyed, it was found that 57% of them owned two cars.

1) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Identify whether the statement describes inferential statistics or descriptive statistics.

2) The chances of winning the California Lottery are one chance in twenty-two million. Does this statement describe:

2) _____

A) inferential statistics

B) descriptive statistics

Use the given frequency distribution to find the

- (a) class width.
- (b) class midpoints of the first class.
- (c) class boundaries of the first class.
 - 3) Height (in inches)

3) _____

<u> </u>				
Class	Frequency, f			
50 - 52	5			
53 - 55	8			
56 - 58	12			
59 - 61	13			
62 - 64	11			
A) (a) 2)			

(c) 49.5-52.5

- A) (a) 2 (b) 51.5
- B) (a) 3 (b) 51 (c) 50-52
- C) (a) 3
 - (b) 51 (c) 49.5–52.5
- D) (a) 2
 - (b) 51.5 (c) 50-52
- SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Provide an appropriate response.

4) Explain the difference between class limits and class boundaries.

4) _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

5) For the stem-and-leaf plot below, what is the maximum and what is the minimum entry?

5) _____

Key: $11 \mid 2 = 11.2$

- A) max: 17.0; min: 11.0
- C) max: 17.5; min: 11.0

B) max: 17.5; min: 11.2

D) max: 175; min: 110

6) The cost of five	ve homes in a	certain area is given	١.			6)	
\$164.000 \$15	72.000 \$192.0	00 \$162,000 \$1,242	2.000				
φ101,000 ψ1.	2 ,000	σο ψ1ο2,000 ψ1,21.	_,000				
Which measu	ire of central t	endency should be ι					
A) mode		B) mean		C) median	D) midrange		
_		-			andard deviation of 5. The	7)	
an IQ above 1		-snaped. Ose the En	принсаг	Rule to find the	percentage of students with		
A) 13.5%	120.	B) 11.15%		C) 2.5%	D) 15.85%		
,		,		,	,		
8) A competence	y test has scor	es with a mean of 82	2 and a	standard deviatio	on of 2. A histogram of the	8)	
	nat the distribu	ution is normal. Bet	ween w	hat two values d	o about 99.7% of the values		
lie?	74 100			D) D	100		
A) Between				B) Between 78 ar			
C) Between	1 00 and 04			D) Between 76 ar	10 00		
9) The hirth wei	ohts for twins	are normally distril	huted w	zith a mean of 23 ⁵	53 grams and a standard	9)	
	•	-			could be considered	·)	
unusual.	O			Ö			
A) 2000 g		B) 3647 g		C) 1200 g	D) 2353 g		
	_				kam and 1721 said that they	10) _	
		dent is selected at ra	indom,	find the probabili	ity that the student has		
cheated on ar	ı exam.	2601		880	1721		
A) $\frac{2601}{880}$		B) $\frac{2601}{1721}$		C) $\frac{880}{2601}$	D) $\frac{1721}{2601}$		
11) Classify the e	vents as dene	ndent or independe	nŧ			11)	
				wn from a deck o	of playing cards and the		
		the second card is o			1 7 0		
A) indeper	ndent			B) dependent			
12) A group of st	udents were a	sked if they carry a	credit c	ard. The respons	es are listed in the table.	12) _	
	Crodit Card	Not a Credit Card	l				
Class	Carrier	Carrier	Total				
Freshman	18	42	60				
Sophomore	40	0	40				
Total	58	42	100				
TC 1		. 1	1. 1114	de de la consta			
		ndom, find the prob . Round your answe			ns a credit card given that		
A) 0.000	а зорношоге	B) 0.690		C) 0.400	D) 1.000		
11, 0.000		-, 0.020		_, 0.200	2,2.000		
13) Find the prob	ability that of	25 randomly selecte	ed stude	ents, no two share	e the same birthday.	13)	
A) 0.995	,	B) 0.569		C) 0.431	D) 0.068	′ —	

14) Decide if the events A and B are mutually exclusive or not mutually exclusive, A die is rolled.	14)	
---	-----	--

- A: The result is a 3.
- B: The result is an odd number.
 - A) mutually exclusive

B) not mutually exclusive

15) _____

A) $\frac{4}{13}$

- B) $\frac{15}{26}$
- C) $\frac{29}{52}$
- D) $\frac{7}{13}$

Answer Key

Testname: PRACTICE FINALC1_3

- 1) population: collection of all American households; sample: collection of 1564 American households surveyed
- 2) A
- 3) C
- 4) Class limits determine which numbers can belong to that class. Class boundaries are the numbers that separate classes without forming gaps between them.
- 5) C
- 6) C
- 7) C
- 8) D
- 9) B
- 10) C
- 11) A
- 12) D
- 13) C
- 14) B
- 15) D
- 16) C