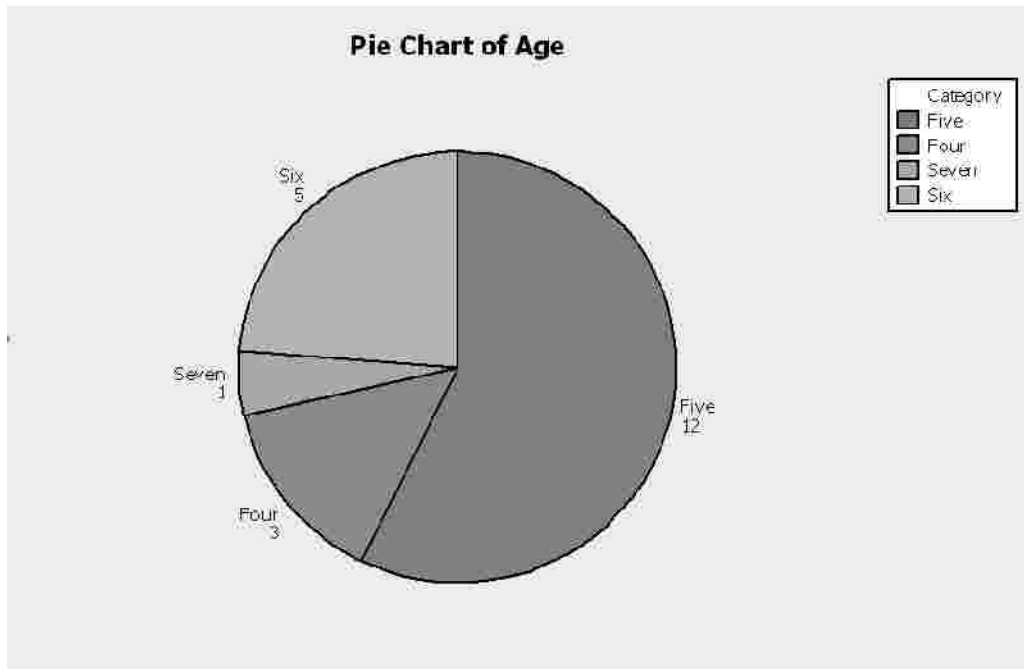


Name: _____ Date: _____

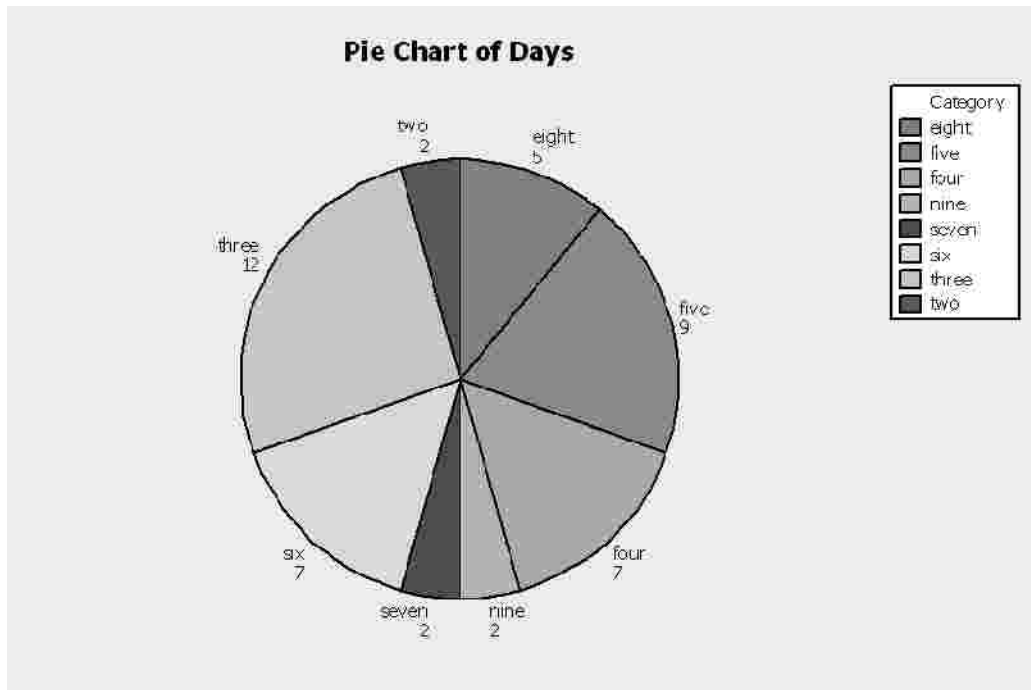
1.



Above is a pie chart summarizing the ages of a kindergarten class (4-, 5-, 6-, and 7-year-olds). What is the relative frequency of four-year-olds in this class?

- A) 3
- B) 4
- C) 0.143
- D) 0.190

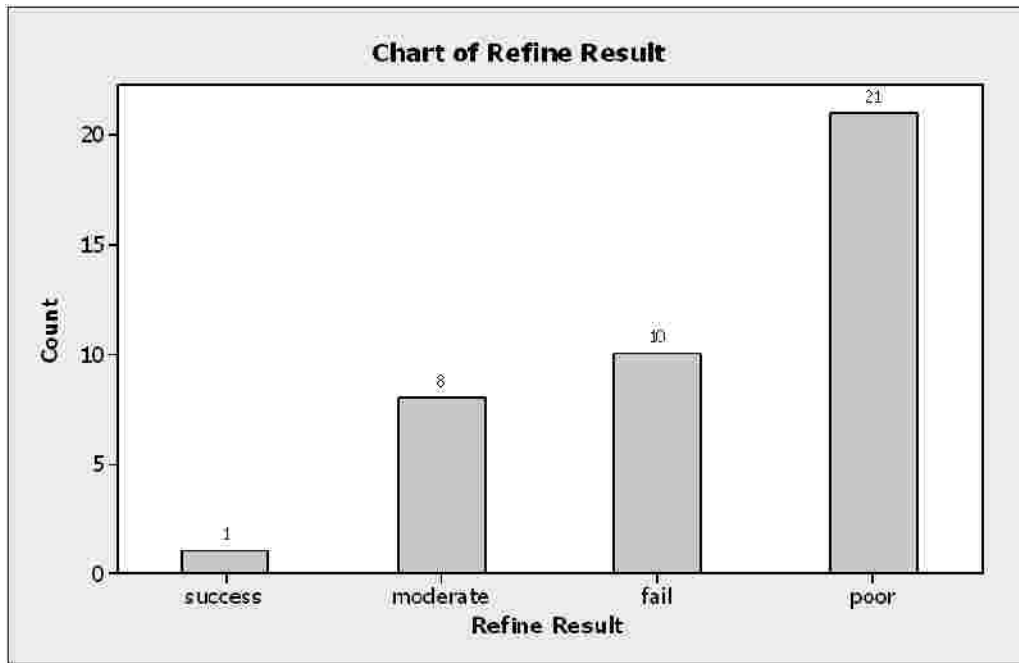
2.



International passengers on a commercial plane flying into Costa Rica are asked how many days they intend to spend in the country. The pie chart above summarizes their responses. What is the relative frequency of international passengers on this plane who intend to spend MORE THAN seven days in the country?

- A) 0.043
- B) 0.152
- C) 0.196
- D) 9

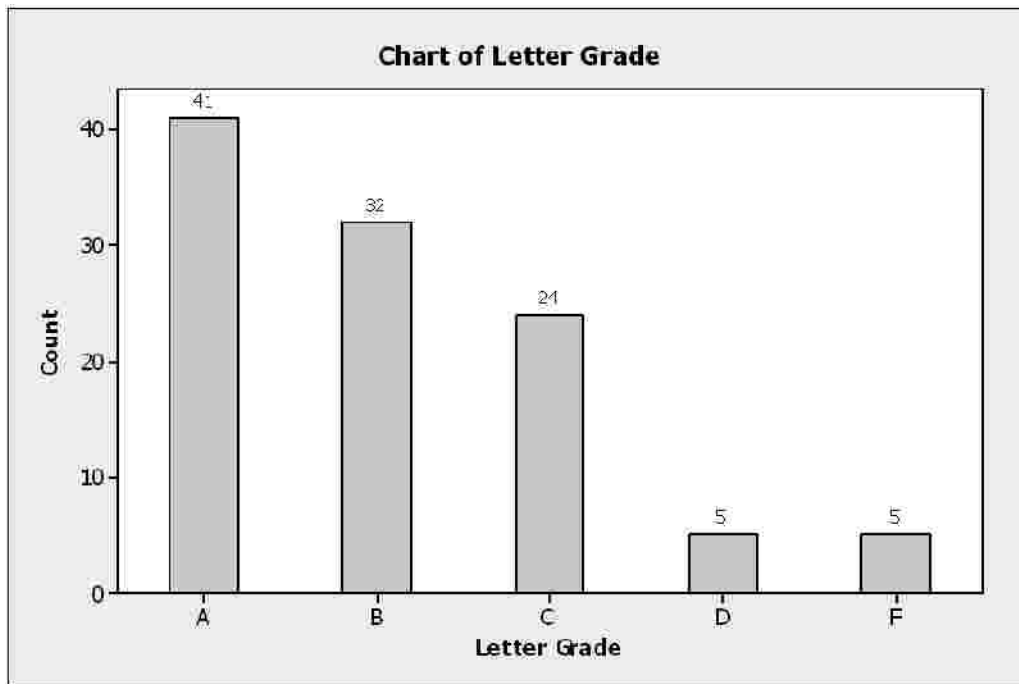
3.



This bar chart summarizes the results from a test on a new refining technique for silver. A “fail” or “poor” result is unacceptable whereas a result of “moderate” or “success” is acceptable. According to the chart, what proportion of the results were unacceptable?

- A) 0.025
- B) 0.225
- C) 0.775
- D) 0.250

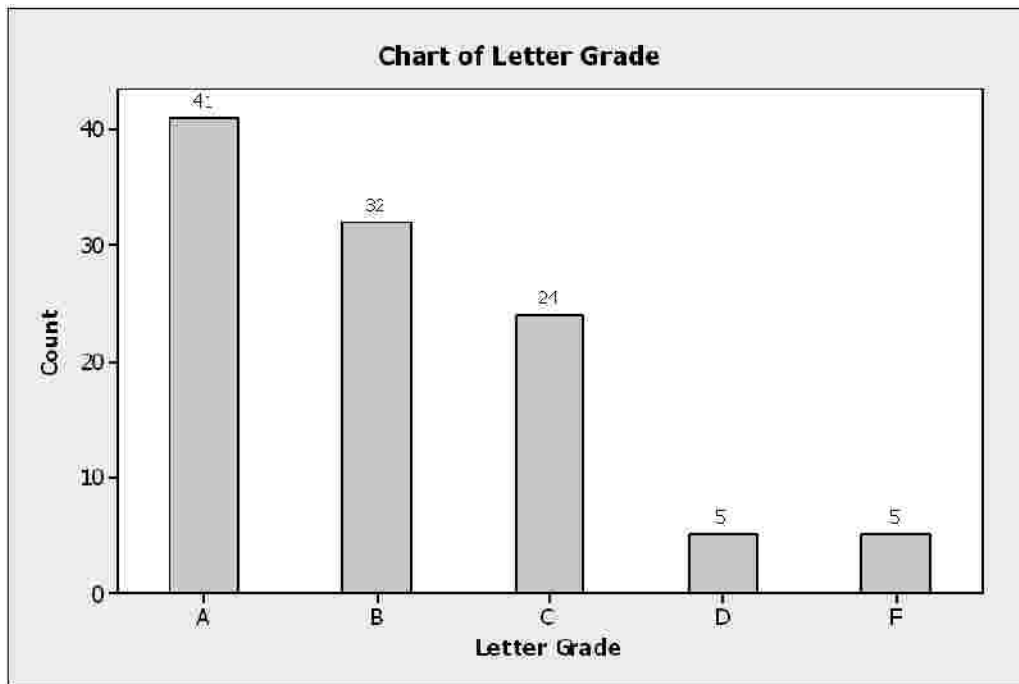
4.



Above is a bar chart of letter grades earned in a particular introductory statistics class. If we define “passing” as a student earning a C or higher in the class, what is the frequency of students who passed in this class?

- A) 24
- B) 73
- C) 0.907
- D) 97

5.



Above is a bar chart of letter grades earned in a particular introductory statistics class. If we define “failing” as a student earning less than a C, what proportion of the students in this class failed?

- A) 0.093
- B) 0.224
- C) 0.907
- D) 0.318

6.

Stem	Leaf	stem = 10 leaf = 1
3	00012333359	
4	001223444679	
5		
6	112	
7	0	
8	11	
9	057	
10	<u>0</u> 67	
11	03	

What value is represented by the bold and underlined “**0**” in the stem-and-leaf diagram above? (Note: It is bold and underlined for emphasis ONLY.)

- A) 1
- B) 10
- C) 100
- D) 1000

7.

Stem	Leaf	stem = tens and hundreds leaf = one
3	00012333359	
4	001223444679	
5	0112667	
6	112	
7	2	
8	0	
9	119	
10	0223444	
11	006788888999	
12	03336667799	

Judging from the stem-and-leaf display above, the data set appears to be:

- A) skewed.
- B) uniform.
- C) symmetric.
- D) centered at 100.

8.

Stem	Leaf	stem = 10 leaf = 1
3	00 <u>0</u> 12333359	
4	001223444679	
5		
6	112	
7	0	
8	11	
9	057	

What value is represented by the bold and underlined “**0**” in the stem-and-leaf diagram above? (Note: It is bold and underlined for emphasis ONLY.)

- A) 3
- B) 30
- C) 300
- D) 3000

9.

Stem	Leaf	stem = hundreds and tens leaf = ones
33	00012333359	
34	001223444679	
35		
36	112	
37	0	
38	11	
39	057	
40	00 <u>0</u> 15667	

What value is represented by the bold and underlined “**0**” in the stem-and-leaf diagram above? (Note: It is bold and underlined for emphasis ONLY.)

- A) 4000
- B) 400
- C) 40
- D) 4

10.

Stem	Leaf	stem = 10 leaf = 1
0	00022233455669999	
1	022233556788	
2	00122333457	
3	34589	
4	4	
5	069	
6	3	

The stem-and-leaf plot above shows the lengths of reigns (in years) of the British monarchs. The shape of this plot is BEST described as:

- A) symmetric
- B) bimodal
- C) negatively skewed
- D) positively skewed

11.

Stem	Leaf	stem = 10 leaf = 1
0	00022233455669999	
1	022233556788	
2	00122333457	
3	34589	
4	4	
5	069	
6	3	

The stem-and-leaf plot above shows the lengths of reigns (in years) of the British monarchs. According to the plot, how many British rulers had reigns that lasted less than a full year?

- A) 1
- B) 3
- C) 17
- D) More information is needed to answer the question.

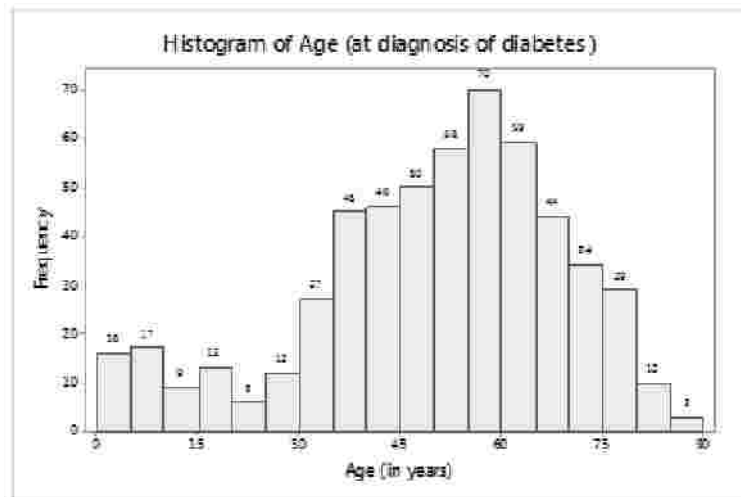
12.

Stem	Leaf	stem = 10 leaf = 1
0	00022233455669999	
1	022233556788	
2	00122333457	
3	34589	
4	4	
5	069	
6	3	

The stem-and-leaf plot above shows the lengths of reigns (in years) of the British monarchs. According to the plot, how many British rulers had reigns that lasted 32 years?

- A) 0
- B) 1
- C) 2
- D) 3

13.



Above is a histogram of the age at which 548 patients were first diagnosed with diabetes. The shape of this histogram is BEST described as:

- A) symmetric.
- B) bimodal.
- C) negatively skewed.
- D) positively skewed.