Name_____ Date _____

1 Which of the following survey questions would generate data with variability?

A How many people attended the concert held in the park last Saturday?

B How many students were in class at 9:45 AM today?

C How many people attended concerts held in the park during the summer evening concert series?

D How much did Mrs. Galloway spend on gasoline for a recent road trip?

_____

2 Caileigh surveyed her classmates about their favorite flavor of ice cream. Her results are shown in the percent bar graph below.

Favorite Ice Cream Flavors

| 12% | 32% | 28% | 16% | 12% |

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

■ Vanilla ■ Strawberry ■ Chocolate ■ Dulce de Leche ■ Cookies and Cream
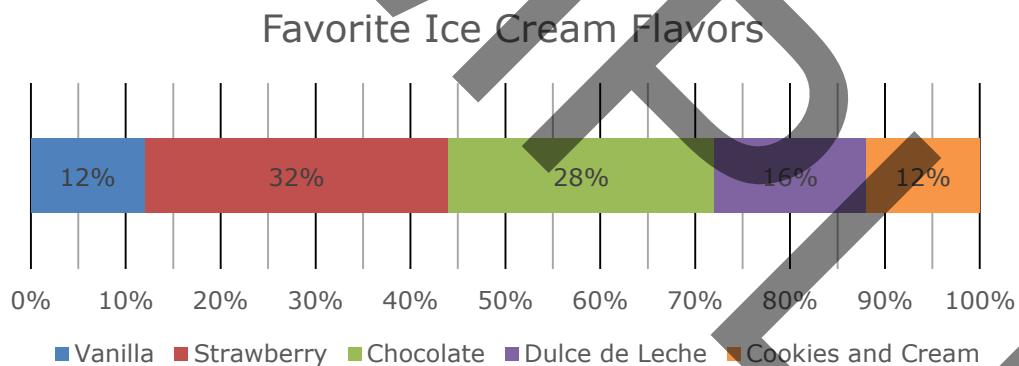
According to the graph, what is the mode favorite flavor?

A Strawberry

B Vanilla

C Chocolate

D Dulce de Leche

3 Aaron created the stem-and-leaf plot below to represent the ages of recent best-actress award winners.
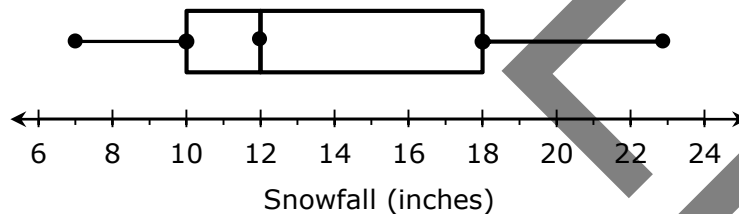
Best Actresses

Stem	Leaf
1	
2	2 9 9 8 5 6
3	3 2 0 5 5 3 4 9 6
4	4 5 5 9
5	
6	2 1

2|5 means 25.

Which of the following best describes the shape of the data distribution?

A Uniform

B Symmetric

C Skewed Left

D Skewed Right

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4 The box plot below represents the amount of snow that fell in several cities in the northeastern U.S. in a recent snowstorm.

Snowfall (inches)

Which of the following best describes the center and spread of the data?

A The center is 12 inches of snow and the spread is 23 inches of snow.

B The center is 12 inches of snow and the spread is 16 inches of snow.

C The center is 10 inches of snow and the spread is 8 inches of snow.

D The center is 7 inches of snow and the spread is 23 inches of snow.

Name_____ Date _____

5 Olivia surveyed students at Washington Intermediate School to determine their favorite professional football teams. The results of her survey are shown in the table below.

Favorite Football Teams

	Texans	Cowboys	Saints
Grade 5	28	19	3
Grade 6	21	24	5

Which of the relative frequency tables below best represents Olivia's survey data?

A

	Texans	Cowboys	Saints
Grade 5	0.28 28%	0.19 19%	0.3 3%
Grade 6	0.21 21%	0.24 24%	0.5 5%

C

	Texans	Cowboys	Saints
Grade 5	0.56 56%	0.38 38%	0.06 6%
Grade 6	0.42 42%	0.48 48%	0.10 10%

B

	Texans	Cowboys	Saints
Grade 5	0.28 28%	0.19 19%	0.03 3%
Grade 6	0.21 21%	0.24 24%	0.05 5%

D

	Texans	Cowboys	Saints
Grade 5	0.42 42%	0.48 48%	0.10 10%
Grade 6	0.56 56%	0.38 38%	0.06 6%