



Name _____ Class _____ Date _____

1 Mr. Elm is putting mulch around his new tree. He wants it to be in a circle **3 feet** away from the **center** of the tree. Ignoring the diameter of the tree, what is the approximate area that he needs to cover?

$A = \pi r^2$

- A 9.42 ft²
- B 18.84 ft²
- C 28.26 ft²
- D 37.68 ft²

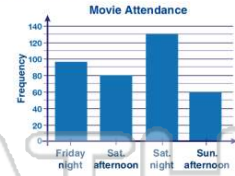
3 Fly Away exterminators charge **\$50** for making a house call and **\$35** for every hour that they are at the home. If the exterminators are needed for **x** hours, how could that be expressed?

- A $50 + 35x$
- C $85x$



2 The graph shows the number of people who attend the movies over the weekend. If Jack does **not like crowds**, what would be the **best time** for him to go to the movies?

- A Friday night
- B Saturday afternoon
- C Saturday night
- D Sunday afternoon



4 One hundred people were asked how they got to work. The results are on the table shown. If another person is surveyed, which **method of transportation** will they most likely answer?

- A bus
- B train

Transportation	Frequency
Bus	23
Train	15

5

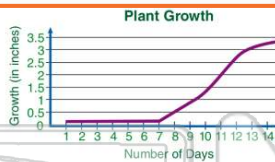


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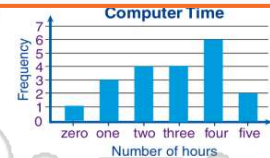
- A 5 days
- B 6 days
- C 7 days
- D 8 days



displays this data.

True or false?

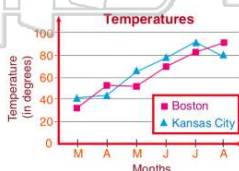
- A true
- B false



9

The temperatures for Boston and Kansas City was recorded for six months and graphed as shown. According to the line graph, **how many times** was it warmer in **Boston** than in **Kansas City**?

- A 5
- B 4
- C 3
- D 2



10

Which is **not** a measure of **central tendency**?

- A mode
- B range
- C mean
- D median





ANSWER KEY

Mr. Elm is putting mulch around his new tree. He wants it to be in a circle **3 feet** away from the **center** of the tree. Ignoring the diameter of the tree, what is the approximate area that he needs to cover?

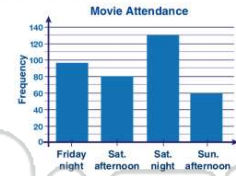
A = πr^2

- A** 9.42 ft²
- B** 18.84 ft²
- C** 28.26 ft²
- D** 37.68 ft²

(c)

The graph shows the number of people who attend the movies over the weekend. If Jack does **not like crowds**, what would be the **best time** for him to go to the movies?

- A** Friday night
- B** Saturday afternoon
- C** Saturday night
- D** Sunday afternoon



(d)

Fly Away exterminators charge **\$50** for making a house call and **\$35** for every hour that they are at the home. If the exterminators are needed for **x** hours, how could that be expressed?

- A** $50 + 35x$
- B** $50x + 35$
- C** $85x$
- D** \$1750



(a)

One hundred people were asked how they got to work. The results are on the table shown. If another person is surveyed, which **method of transportation** will they most likely answer?

- A** bus
- B** train
- C** car

Transportation	Frequency
Bus	23
Train	15
Car	41
Walk	13

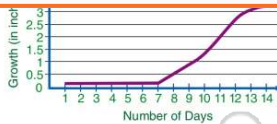
(c)



PREVIEW

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- A** 5 days
- B** 6 days
- C** 7 days
- D** 8 days



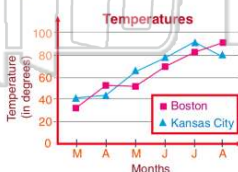
True or false?

- A** true
- B** false



The temperatures for Boston and Kansas City was recorded for six months and graphed as shown. According to the line graph, **how many times** was it warmer in **Boston** than in **Kansas City**?

- A** 5
- B** 4
- C** 3
- D** 2



(d)

Which is **not** a measure of **central tendency**?

- A** mode
- B** range
- C** mean
- D** median



(b)