

Correct Answer: C

QUESTION 132

DVDs-by-Mail offers DVD rentals by mail. A customer can subscribe to any of the three levels of service listed in the table at the left.

DVDs-by-Mail Rates

Type of Service	Monthly Rate	Free DVD Rentals per Month	Cost for Each Additional DVD Rental
Basic	\$10.95	5	\$2.75
Advanced	\$16.95	10	\$2.50
Premium	\$19.95	15	\$2.25

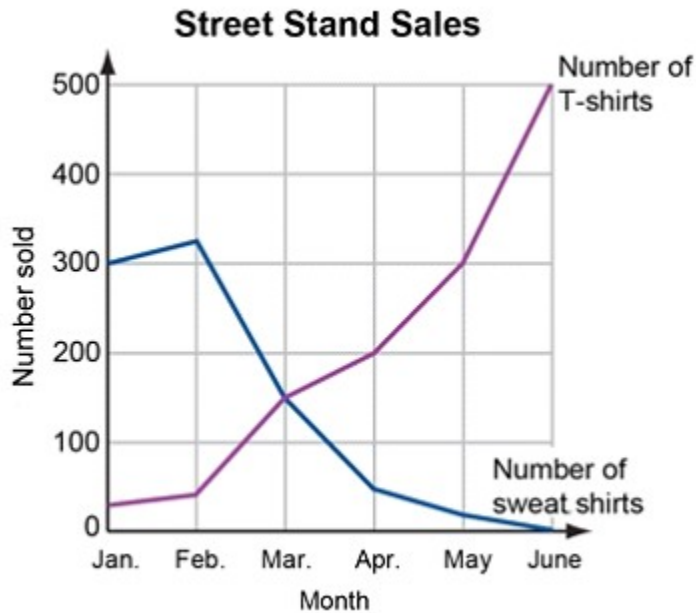
Lee subscribed to the Premium service. What was he charged for renting 18 DVDs during one month?

- A. \$ 18.00
- B. \$ 19.95
- C. \$ 26.70
- D. \$ 60.45
- E. \$180.00

Correct Answer: C

QUESTION 133

The numbers of sweat shirts and T-shirts sold at a street stand during the first six months of the year are shown in the graph at the left.



During which month were the numbers of sweat shirts and T-shirts sold the same?

- A. February
- B. March
- C. April
- D. May
- E. June

Correct Answer: B

QUESTION 134

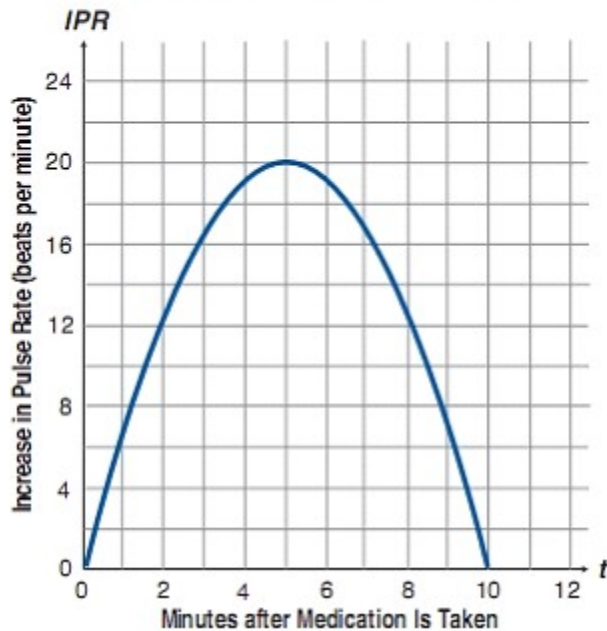
How many minutes after the medication is taken is the increase from the initial pulse rate the greatest?

Doctors monitored patients taking a particular type of medication. They modeled the increase from the initial pulse rate after t minutes using the following function:

$$IPR = -0.8(t - 5)^2 + 20$$

The graph of the function is shown below.

How a Medication Increases Pulse Rate



- A. 3
- B. 5
- C. 7
- D. 9
- E. 10

Correct Answer: B

QUESTION 135

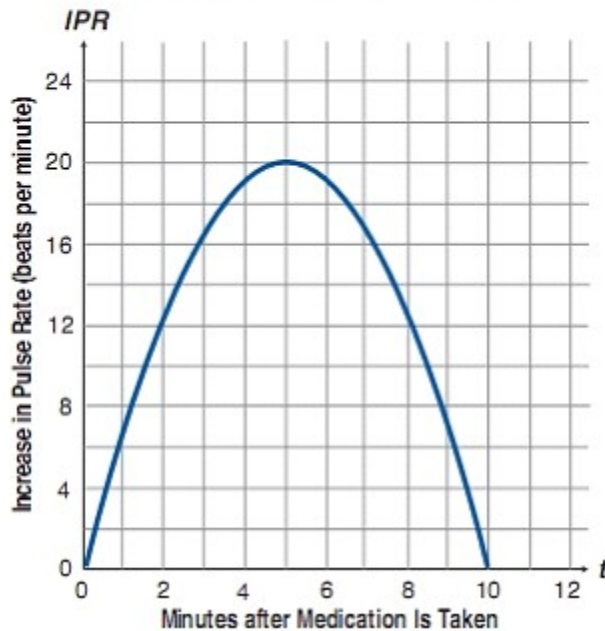
According to the graph, what is the maximum increase from the initial pulse rate in beats per minute?

Doctors monitored patients taking a particular type of medication. They modeled the increase from the initial pulse rate after t minutes using the following function:

$$IPR = -0.8(t - 5)^2 + 20$$

The graph of the function is shown below.

How a Medication Increases Pulse Rate

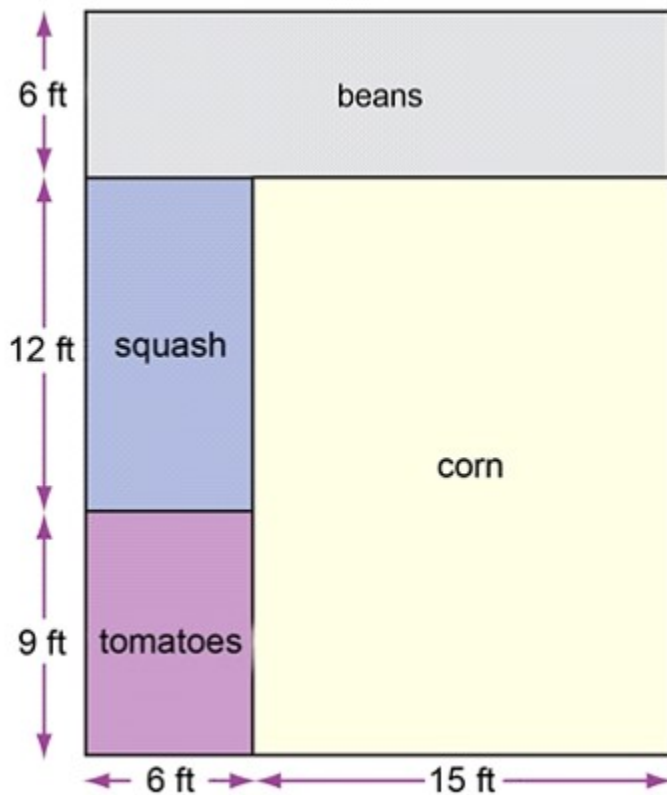


- A. 4
- B. 10
- C. 12
- D. 20E. 24

Correct Answer: D

QUESTION 136

A vegetable garden is divided into areas for growing different vegetables. The layout of the garden is shown in the diagram at the left. How much GREATER, in square feet, is the area for growing beans than the area for growing squash?



- A. 198
- B. 126
- C. 114
- D. 72
- E. 54

Correct Answer: E

QUESTION 137

If $a = -4$ and $b = 3$, which of the following is the value of the expression $2ab^2 + a^2$?

- A. -56
- B. -64
- C. -80
- D. -92
- E. -124

Correct Answer: A