

E. 134

**Correct Answer:** D

**QUESTION 8**

To create a vegetable garden, Lian plans to enclose a 200-square-foot portion of her backyard with fencing. How many feet of fencing will she need?

- A. 60
- B. 66
- C. 90
- D. 108
- E. Not enough information is given.

**Correct Answer:** E

**QUESTION 9**

If  $n$  is a positive number, which of the fractions below has the GREATEST value?

- A.  $\frac{n}{4}$
- B.  $\frac{n}{6}$
- C.  $\frac{n}{8}$
- D.  $\frac{n}{10}$
- E. Not enough information is given.

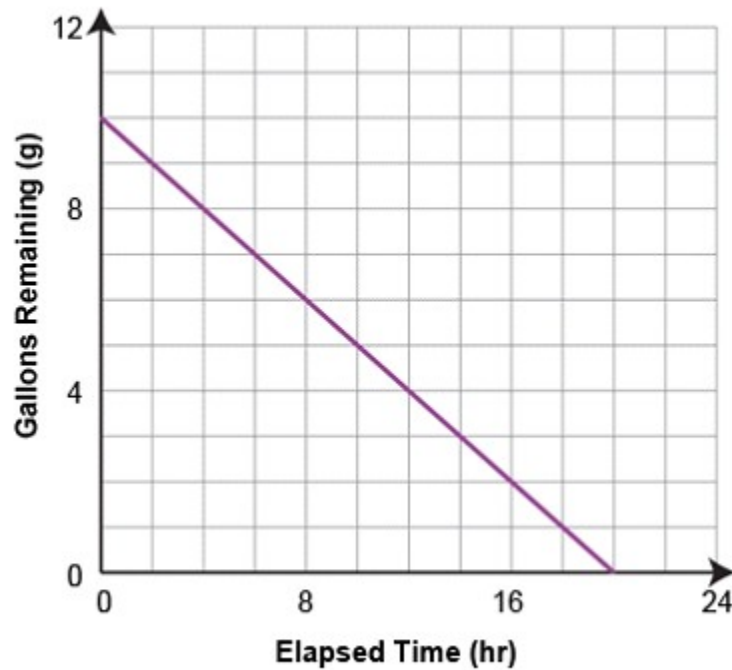
**Correct Answer:** A

**QUESTION 10**

CORRECT TEXT

How many gallons of gas were in the generator's gasoline tank before the generator was turned on?

### Generator Gasoline Consumption



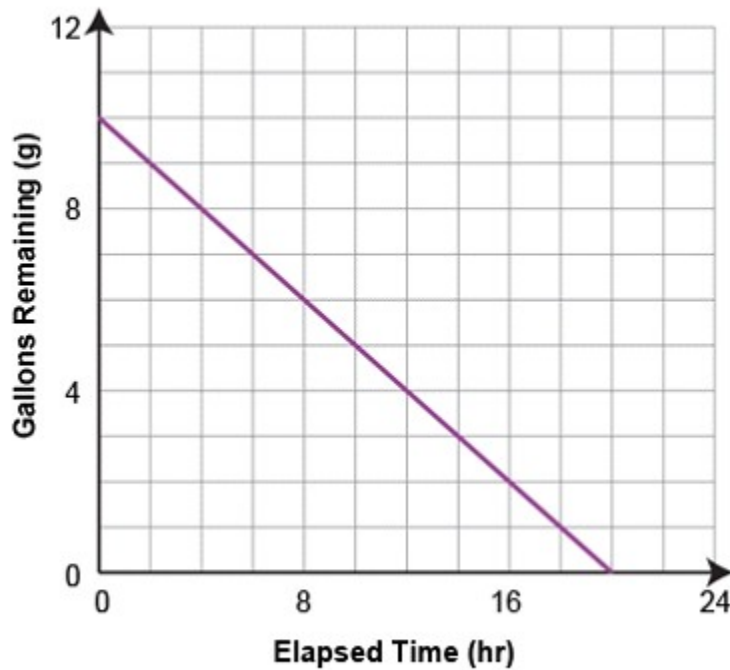
Correct Answer: 10

#### QUESTION 11

CORRECT TEXT

At what rate, in gallons per hour, is the gasoline being used by the generator?

### Generator Gasoline Consumption

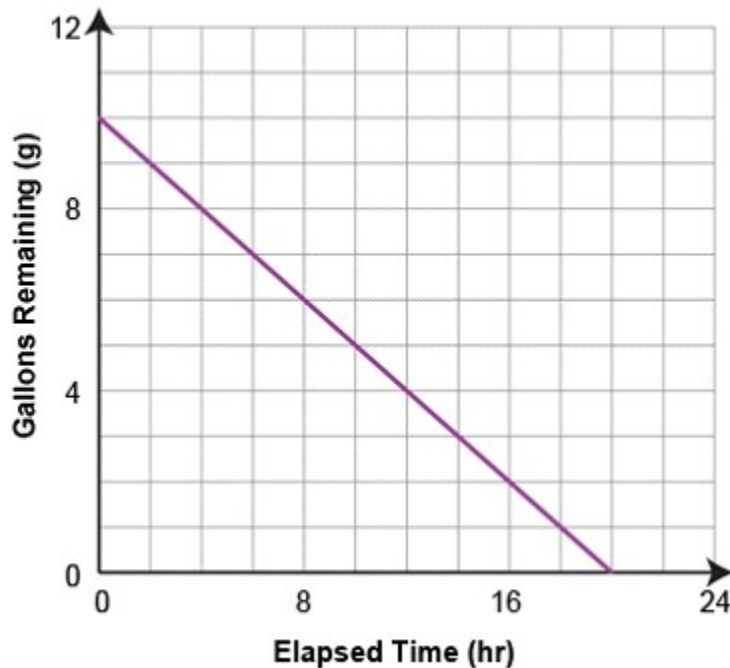


**Correct Answer:** 0.5 gallons per hour

#### QUESTION 12

How many hours does it take to empty the generator's gasoline tank?

### Generator Gasoline Consumption



- A. 18
- B. 19
- C. 20
- D. 21
- E. 22

**Correct Answer: C**

#### QUESTION 13

A college recruiter interviewed 18 potential students about their interests. Ten students said they participated in sports and 12 in music programs. All said they participated in at least one of these programs, and some participated in both. How many students said they participated in both sports and music programs?

- A. 14
- B. 8
- C. 6
- D. 4
- E. 2

**Correct Answer: D**

**QUESTION 14**

If the letter  $y$  represents a negative number, which of the following represents a positive number?

- A.  $y + y$
- B.  $y^3$
- C.  $(1/3)y$
- D.  $1.5(y)$
- E.  $-7(y)$

**Correct Answer:** E

**QUESTION 15**

An irrigation system for a small farm uses 750 gallons of water per hour. The system was turned on for 5 consecutive days for the following numbers of hours: 4.5, 8, 6.5, 2.5, and 8. What was the mean (average) number of gallons of water used daily by the irrigation system during those 5 days?

- A. 3,161
- B. 3,688
- C. 4,425
- D. 21,000
- E. 22,125

**Correct Answer:** C

**QUESTION 16**

When the bicyclists had traveled for 6 hours, how many miles FARTHER had A gone than B?