Standardized Test Practice

Read each question. Then fill in the correct answer on the answer document provided by your teacher or on a sheet of paper.
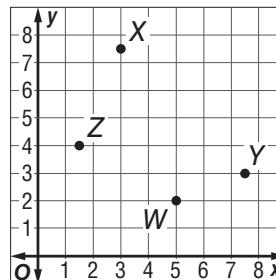
1. The table shows Molly and Myles's ages.

Molly's Age, x (years)	Myles's Age, y (years)
2	5
3	6
4	7
5	8

   Which expression **best** represents Myles's age in terms of Molly's age?

   A. $y + 3$

   B. $3x$

   C. $x + 3$

   D. $3y$

2. The cost of renting a speed boat is $25 plus an additional fee of $12 for each hour the boat is rented. Which equation can be used to find c, the cost for renting the boat for h hours?

   F. $c = 12h + 25$

   G. $c = 25h + 12$

   H. $c = 12(h + 25)$

   I. $c = 25(h + 12)$

3. ✐ **GRIDDED RESPONSE** The Music Shop records the number of CDs sold for 5 months. What fraction of CDs were sold in April? Write the fraction in simplest form.

Month	Number of CDs Sold
January	50
February	35
March	42
April	110
May	98

4. Which point on the grid below corresponds to the ordered pair $\left(3, 7\frac{1}{2}\right)$?

   A. Point W

   B. Point X

   C. Point Y

   D. Point Z

5. ✐ **GRIDDED RESPONSE** The Geography Club is selling wrapping paper for a fundraiser. They ordered 16 cases. If each student in the club takes $\frac{2}{3}$ of a case, how many students are in the club?

6. Mrs. Washington has 25 students in her class. If each student needs 4 file cards, which equation can be used to find s, the total number of file cards?

   F. $s = 25 \div 4$

   G. $s = 25 \times 4$

   H. $s = 25 - 4$

   I. $s = 25 + 4$

7. The formula $V = \frac{1}{3}Bh$ can be used to find the volume of a pyramid.

   Which of the following **best** represents $\frac{1}{3}$?
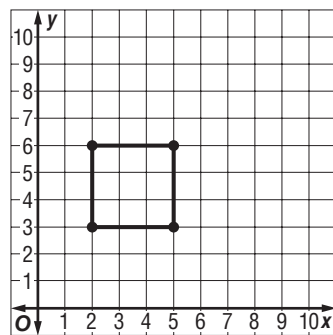
   A. 0.33

   B. 0.67

   C. 3

   D. 3.3

8. **SHORT RESPONSE** There are 16 cars and 64 passengers scheduled to go to a concert. Write a ratio in simplest form that compares the number of passengers to the number of cars.

9. Mariel spends $0.75 every time she plays her favorite video game. She has $6.75 to spend. Which inequality shows how many times Mariel can play the video game?

F. $0.75x < 6.75$

G. $0.75x \leq 6.75$

H. $0.75x > 6.75$

I. $0.75x \geq 6.75$

10. **SHORT RESPONSE** Jacob multiplied 30 by 0.25 and got 7.5. Zane said that it was wrong because when you multiply two numbers, the product is always greater than both of the numbers. Explain who is correct.

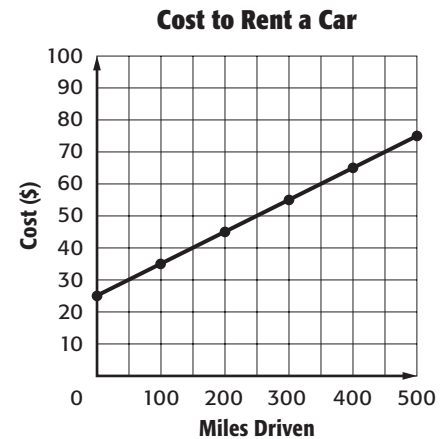**11.** Which of the following ordered pairs is located inside the graph of the square?

A. $(4, 0)$

B. $(1, 6)$

C. $(2, 2)$

D. $(4, 5)$

12. **SHORT RESPONSE** The table shows J.T.'s training schedule for a marathon.

Day	Running Time (min)
1	20
2	22
3	24
4	26

If the pattern continues, how many minutes will he run on Day 8?

13. **EXTENDED RESPONSE** The graph shows the cost of renting a car from Speedy Rental for various miles driven.

Cost to Rent a Car

Part A Make a function table for the graph.

Part B Write a function rule for the data.

Part C What is the cost in dollars of renting the car and driving 400 miles?

Part D Describe the relationship.