

# Standardized Test Practice

## Chapter 7

1. The receipt shows the quantity and price of some clothing. Which equation can be used to find the price of each pair of jeans?

Quantity	Item	Price
2	pairs of jeans	\$64.52
3	sweaters	<input type="checkbox"/>
Total		\$136.67

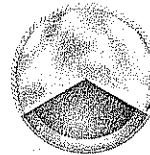
- A.  $64.52 + x = 136.67$   
 B.  $3x = 136.67$   
 C.  $64.52 = 2x$   
 D.  $2 + x = 64.52$
2. A sub shop is keeping track of the number of pounds of turkey sold each day.

Day	Number of Pounds of Turkey Sold
Monday	40.6
Tuesday	25.4
Wednesday	34.7
Thursday	45.2
Friday	65.3
Saturday	70.4
Sunday	50.8

The amount of turkey sold on Saturday is about how many times the amount of turkey sold on Wednesday?

- F. about 1.5 times      H. about 3 times  
 G. about 2 times      I. about 4 times
3. GRIDDED RESPONSE Bob's Boot Shop sold 60% of its stock of winter boots before the first snow of the year. What fraction of the stock of winter boots has not yet been sold?

4. Two thirds of a blueberry pie is left in the refrigerator. If the leftover pie is cut in 6 equal-size slices, which fraction of the original pie is each slice?

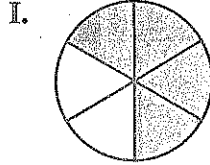
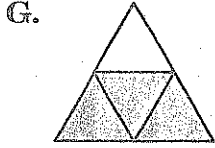
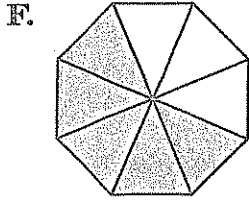


- A.  $\frac{1}{9}$       C.  $\frac{1}{4}$   
 B.  $\frac{1}{6}$       D.  $\frac{1}{3}$
5. GRIDDED RESPONSE Mikayla bought a value pack of crackers for \$6.72. The value pack had 24 individually wrapped cracker packages. Solve  $24x = 6.72$  to find the cost per package in dollars.
6. At a pet store, there are 30 aquariums. Of the 30, 20 have fresh water with 15 fish each. The other 10 aquariums have salt water with 6 fish each. Which equation could be used to find  $f$ , the total number of fish at the pet store?
- F.  $f = 30 + 20 + 15 + 10 + 6$   
 G.  $f = 30(15 + 6)$   
 H.  $f = 20(15 + 6)$   
 I.  $f = (20 \times 15) + (10 \times 6)$
7. GRIDDED RESPONSE The ratio of boys to girls at a rock concert was about 7 to 6. If there were 1,092 boys at the rock concert, how many girls were there?
8. What value of  $x$  makes this equation true?

$$4x = 44$$

- A. 14      C. 22  
 B. 13      D. 11

10. Which of the following diagrams represents 80%?



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.  $3y$

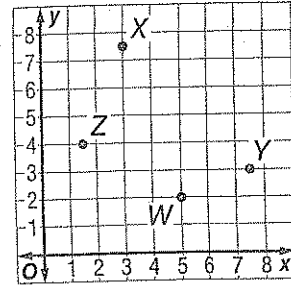
2. The cost of renting a speed boat is \$25 plus an additional fee of \$12 for each hour the boat is rented. Which equation can be used to find  $c$ , the cost for renting the boat for  $h$  hours?

- 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  $(3, 7\frac{1}{2})$ ?



- 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.  $s = 25 + 4$

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.  $0.75x \geq 6.75$

Review Chapter 8