

Standardized Test Practice

Read each question. Then fill in the correct answer on the answer sheet provided by your teacher or on a sheet of paper.

1. The ratio of cats to dogs seen by a veterinarian in one day is 2 to 5. If a vet saw 40 dogs in one day, how many cats did he see?

A. 5 C. 29
 B. 16 D. 40

2. At a sports camp, there is one counselor for every 12 campers. If there are 156 campers attending the camp, which equivalent ratios could be used to find the number of counselors?

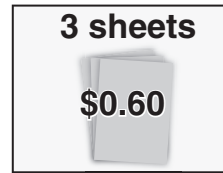
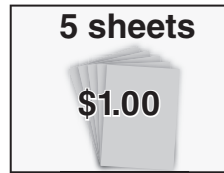
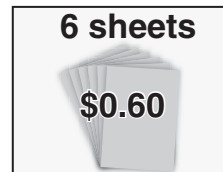
Campers	Counselors
12	1
24	2
156	■

F. $\frac{■}{12} = \frac{1}{156}$ H. $\frac{12}{1} = \frac{■}{156}$
 G. $\frac{1}{12} = \frac{■}{156}$ I. $\frac{■}{1} = \frac{12}{156}$

3. **GRIDDED RESPONSE** A car jack requires a force of 110 pounds to lift a 2,500-pound car. In simplest form, what is the ratio of the car's weight to the force required to lift the car?

4. A baker is making an oversized sheet cake for a school dance. The recipe calls for 2 cups of sugar for every 3 cups of flour. How many cups of flour are needed, if she is using 18 cups of sugar?
 A. 27 cups
 B. 18 cups
 C. 9 cups
 D. 6 cups

5. Which rate gives the best price for scrapbook paper?



Sale A Sale B
 Sale C Sale D
 F. Sale A H. Sale C
 G. Sale B I. Sale D

6. Which of the following ratios is equivalent to $\frac{5}{7}$?

A. $\frac{10}{12}$ C. $\frac{15}{17}$
 B. $\frac{3}{5}$ D. $\frac{10}{14}$

7. **GRIDDED RESPONSE** The table shows the cups of whole wheat flour required to make dog biscuits.

Number of Dog Biscuits	10	35
Cups of Whole Wheat Flour	2	■

How many cups of whole wheat flour are required to make 35 biscuits?

8. A school population was predicted to increase by 50 students a year for the next 10 years. If the current population is 700 students, what will be the enrollment after 10 years?
 F. 50 students H. 1,200 students
 G. 500 students I. 7,000 students

9. **THINK SOLVE EXPLAIN** **SHORT RESPONSE** There are 12 boys and 15 girls in your class. Four new students, 3 boys and 1 girl, join your class. Compare the ratio of boys to girls before and after the new students enrolled.

10. The table shows the cost of different kinds of fruit.

Fruit	banana	apple	orange	grapes
Cost per pound (\$)	0.60	1.89	0.99	1.00

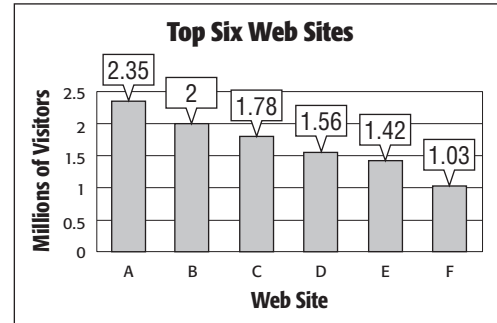
To the nearest cent, what is the cost of 3.5 pounds of grapes?

- A. \$2.84 C. \$3.50
 B. \$2.88 D. \$3.63

11. **GRIDDED RESPONSE** Mr. Reinard bought 5 pounds of feed for his chickens for \$10. How much did the feed cost per pound in dollars?

12. **THINK SOLVE EXPLAIN** **SHORT RESPONSE** The length of a track around a football field is $\frac{1}{4}$ mile. How many miles do you walk if you walk $2\frac{3}{4}$ times around the track?

13. The bar graph below shows the average number of visitors to different Web sites during one month.



How many visitors can Web site B expect to have in one year?

- F. 2.4 million
 G. 24 million
 H. 240 million
 I. 2,400 million

14. **THINK SOLVE EXPLAIN** **EXTENDED RESPONSE** Cesar's sixth-grade class sorted books in the library. The class sorted 45 books in 90 minutes.

Part A Write an equivalent ratio to find how long it would take to sort 120 books.

Part B How many hours will it take the class to sort 120 books?

Part C Suppose their rate slowed to 30 books in 90 minutes. How long would it take the class to sort the 120 books? Explain your reasoning.