

# Test, Form 1A

SCORE \_\_\_\_\_

Write the correct answer in the blank at the right of each question. Show all work and do not forget the units.

1. What is the least common multiple of 6 and 8?

1. \_\_\_\_\_

2. At a summer camp, there are 40 boys out of 70 campers. What is the ratio of boys to total campers written as a fraction in simplest form? Explain what this ratio means.

2. \_\_\_\_\_

3. The table shows the animals at a petting zoo. What is the ratio of goats to the total number of animals?

Animals at a Petting Zoo	
Chickens	2
Deer	4
Donkey	3
Goats	6

3. \_\_\_\_\_

For Exercises 4 and 5, write each rate as a unit rate.

4. 9 pages in 3 hours

4. \_\_\_\_\_

5. 20 pounds for \$4

5. \_\_\_\_\_

6. A manatee surfaced for air 2 times in 60 seconds. At this rate, how many seconds went by if the manatee surfaced for air 20 times?

6. \_\_\_\_\_

# Test, Form 1A *(continued)*

SCORE \_\_\_\_\_

For Exercises 7 and 8, use the ratio table given to solve each problem.

7. Nick bought 5 pens for \$3. At this rate, how much will he spend on 10 pens?

Number of Pens	5	10
Money Spent (\$)	3	■

7. \_\_\_\_\_

8. Grace bought 3 tickets to a concert for \$75. At this rate, how much would 5 tickets cost?

Number of Tickets	3		5
Money Spent (\$)	75		■

8. \_\_\_\_\_

9. Maggie read 120 pages in 4 days. Which reading rate is equivalent?

- A. 75 pages in 3 days                      C. 105 pages in 5 days  
B. 60 pages in 2 days                      D. 80 pages in 3 days

9. \_\_\_\_\_

10. Five notebooks cost Chloe \$20. At this rate, how much would 4 notebooks cost?

10. \_\_\_\_\_

11. According to the key of a particular park map, every 5 inches on the map represents 3 miles of trails in the park. How many inches on the map represents 9 miles on the park trails?

11. \_\_\_\_\_

12. One serving of a fruit punch recipe serves 16 people. Which of the following lists the ordered pairs (number of servings, number of people served) for 1, 2, 3, and 4 servings?

- F. (1, 16), (2, 32), (3, 48), (4, 64)  
G. (16, 1), (32, 2), (48, 3), (64, 4)  
H. (1, 16), (2, 32), (3, 48), (4, 60)  
I. (1, 32), (2, 48), (3, 64), (4, 80)

12. \_\_\_\_\_

13. A store manager orders T-shirts so that 15 out of every 35 are a medium. How many medium T-shirts would you expect to find when there are 126 T-shirts on a rack?

13. \_\_\_\_\_

14. Olivia saves \$28 in 8 weeks. Her sister saves \$18 in 24 days. Are the rates at which each sister saves equivalent? Explain your reasoning.

14. \_\_\_\_\_

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15. What is the GCF (greatest common factor) of 15 and 45?

15. \_\_\_\_\_

16. Label and Plot these ordered pairs on the coordinate grid.

A(2,3)

B(4,6)

C(6,9)

