

**TEST NAME: 6.NS.1 - Divide Fractions**  
**TEST ID: 665209**  
**GRADE: 06**  
**SUBJECT: Mathematics**  
**TEST CATEGORY: School Assessment**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Nicole has  $1\frac{3}{4}$ -hours before dinner to work on her homework assignments. It takes her  $\frac{1}{2}$ -hour to complete one homework assignment. How many homework assignments can Nicole complete before dinner?
  - A. 2
  - B. 3
  - C. 4
  - D. 5
  
2. Stuffed animals each weighing  $\frac{1}{4}$  pound are on a scale. The scale shows  $1\frac{1}{2}$  pounds. How many stuffed animals are on the scale?
  - A. 2
  - B. 5
  - C. 6
  - D. 12
  
3. It takes  $1\frac{1}{2}$  bags of sand to cover  $\frac{1}{12}$  of a play area. How many bags of sand will be needed to cover the entire play area?
  - A. 4
  - B. 6
  - C. 12
  - D. 18

4. A local hair salon has  $6\frac{2}{3}$  gallons of shampoo to split among 5 hairdressers. How much shampoo will each hairdresser receive?
- A.  $\frac{11}{15}$  gallon  
 B.  $\frac{3}{4}$  gallon  
 C.  $1\frac{1}{3}$  gallons  
 D.  $1\frac{2}{3}$  gallons
5. Katie has a piece of cloth that is  $\frac{16}{5}$  yards long and wants to use it to make dolls for gifts. Each doll uses  $\frac{2}{7}$  yard of cloth. Which expression represents the number of dolls Katie can make from the piece of cloth?
- A.  $\frac{16}{5} + \frac{2}{7}$   
 B.  $\frac{16}{5} - \frac{2}{7}$   
 C.  $\frac{16}{5} \times \frac{7}{2}$   
 D.  $\frac{16}{5} \div \frac{7}{2}$
6. Which quotient is greater than 24?
- A.  $24 \div \frac{3}{4}$   
 B.  $24 \div \frac{1}{1}$   
 C.  $24 \div 3$   
 D.  $24 \div \frac{4}{3}$
7. What is the value of  $\frac{2}{15} \div \frac{5}{12}$ ?
- A.  $\frac{1}{18}$   
 B.  $\frac{8}{25}$   
 C.  $\frac{7}{27}$   
 D.  $\frac{25}{8}$

8. Which fraction is equivalent to  $\frac{3}{4} \div \frac{1}{6}$ ?
- A.  $\frac{4}{18}$
  - B.  $\frac{9}{2}$
  - C.  $\frac{3}{10}$
  - D.  $\frac{3}{24}$
9. Ryan has  $\frac{3}{4}$  of a tank of gas in his car. It takes  $\frac{1}{6}$  of a tank of gas to drive to soccer practice and back home. With the gas in his tank, how many times can Ryan drive to soccer practice and back home?
- A. 2
  - B. 4
  - C. 6
  - D. 8
10. Ana and her friends are hiking a trail that is  $8\frac{1}{4}$  miles long. They want to finish the trail in 3 hours. How many miles must they hike each hour?
- A.  $2\frac{3}{4}$  miles
  - B.  $3\frac{1}{4}$  miles
  - C.  $5\frac{1}{4}$  miles
  - D.  $24\frac{3}{4}$  miles
11. Mary purchased 3 yards of fabric from a roll containing  $5\frac{1}{2}$  yards. How many  $\frac{1}{2}$  yards of fabric remain on the roll?
- A. 2
  - B. 5
  - C. 6
  - D. 9

12. Linda has  $\frac{3}{4}$  gallon of ice cream. She put an equal amount of ice cream into 6 bowls. How much ice cream was in each bowl?

A.

$\frac{1}{8}$  gallon

B.

$\frac{1}{4}$  gallon

C.

$\frac{4}{9}$  gallon

D.

$\frac{9}{2}$  gallons