Name _____ Date _____

Multiplying a Fraction by a Whole Number: Copies of a Unit Fraction

Directions: A product such as $3 \times 2/5$ can be seen as 3 copies of 2/5. Count how many unit fractions there are in all.

1. The fraction 7/8 is made of copies of 1/8.

$7/8 = ? \times 1/8$

How many copies of 1/8 make 7/8?

_____

2. Which multiplication equals $5/12 + 5/12 + 5/12$?

A. $3 \times 5/12$ B. $2 \times 5/12$ C. $3 \times 12/5$ D. $3 + 5/12$

3. Each 2/3 is 2 copies of 1/3. So $4 \times 2/3$ is the same as $? \times 1/3$. Find the missing number.

_____

4. Multiply the whole number by the numerator.

$7 \times 3/10 = ?/10$

Type the number that belongs above the 10.

_____

5. The product $4 \times 5/6$ lies between which two whole numbers?

A. 2 and 3 B. 3 and 4 C. 20 and 21 D. 4 and 5

6. At a shelter, each of 5 cats eats 3/4 cup of food a day. How many fourths of a cup do the 5 cats eat in one day?

_____ fourths

7. Yuki jogs 3/8 mile every day for 6 days. That is $6 \times 3/8 = 18/8$ miles. Write 18/8 as the greatest number of whole miles and the eighths that are left.

18/8 miles is _____ whole miles and _____/8 mile more.

8. Nadia has 10/5 meters of ribbon, which is 2 whole meters. She makes 3 bows, and each bow uses 3/5 meter. How many fifths of a meter of ribbon are left?

_____ fifths