Dividing Fractions Test Review

1. Explain why the quotient of 6 ÷ ¼ is a number greater than 6. **First**, draw a model, picture to show how to solve 6 ÷ 1/4. **Then** explain why when you divide a whole number by a fraction, the quotient is greater than the whole number.

Model or picture:

6 ÷ 1/4 = _____

Explain why the quotient is greater than the whole number.

2. Alfredo loves to eat chocolate chip cookies and he has a container of cookies that is 1/5 full. If he gives the remaining container of cookies to four friends, how much of the whole container will each student get?

Each student will get_____ of the container of cookies.

3. Which expression could be used to check 6 ÷ 1/8?

A. 48 x 1/8   B. 1/8 ÷ 6   C. 48 x 8/1   D. 48 ÷ 1/8

4. Jah'na made a huge triple cheese pizza to eat while watching Angry Birds. She ate three-fourths of the pizza and decided to give away the remaining 1/4 to three friends. How much of the pizza will each friend get to eat?

                    Amount that Jah'na ate   Amount left for friends
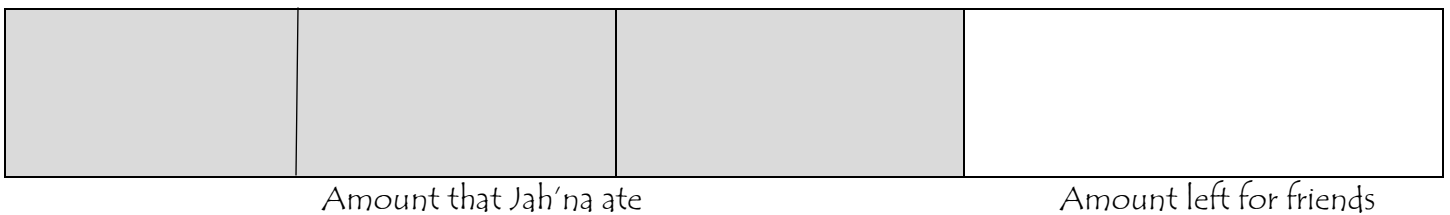
Part A. Which expression shows Jah'na's thinking?

A. 1/4 x 3   B. 1/4 ÷ 3   C. 1/4 x 8   D. 4 ÷ ½

Prove your answer by either completing the model above or using words.

5. How many 1/6 pint servings are in 5 pints of peanut butter chocolate ice cream?

6. After lunch, 1/3 of a chicken burrito was left uneaten. Kaira shared the leftover burrito equally among 3 friends. What fraction of the chicken burrito did each friend get?

Use the model below to show your thinking and complete the equation.
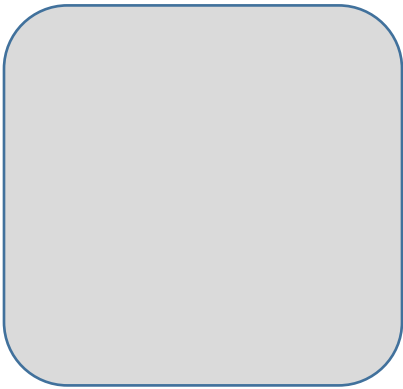
Each friend received _____ of the sandwich.

7. Betsy has a piece of string that is 4 feet long. She cuts it into pieces, 1/2 of a foot long. How many pieces of string does Betsy have now?

Betsy's string

Betsy has _____ pieces of string.

Create an equation that can be used to represent the above problem and solution.

8. Solve each problem below. Show your thinking using models, drawings, or math.

    A. 1/3 ÷ 5 = _____

    B. 6 ÷ 1/6 = _____