

## NF.6 Lesson 4 - Problem Set

Name \_\_\_\_\_

Date \_\_\_\_\_

Steps:

1. Write an equation to represent the problem.
2. Decompose the mixed numbers.
3. Find the WW, WF, WF, FF
4. Combine the pieces, making like units when necessary.

Example:

1. Each lap around the track is  $2\frac{1}{2}$  miles. Kiyel completed  $3\frac{1}{3}$  laps. How many miles did Kiyel run?

**Why Is this Multiplication?**

**Solve**

2. Iyanna has  $3\frac{1}{4}$  boxes of doughnut holes left. Each box contains  $1\frac{1}{2}$  dozen doughnuts. How many dozens of doughnuts does Iyanna have left?

**Why Is this Multiplication?**

**Solve**

3. The measurements of Jayde's new bed are  $4\frac{3}{4}$  feet by  $8\frac{1}{2}$  feet. What is the area of Jayde's bed?

**Why Is this Multiplication?**

**Solve**

4. Nashaan's bathroom is  $5\frac{2}{3}$  feet wide and  $10\frac{2}{3}$  feet long. What is the area of Nashaan's bathroom?

**Why Is this Multiplication?**

**Solve**

5. If the area of Daly's bedroom is  $30\frac{1}{4}$  square feet, which of the following could be the measurements of her room?

a.  $10\frac{1}{4}$  feet wide and  $3\frac{1}{4}$  of a foot long

b.  $20\frac{1}{2}$  feet wide and  $5\frac{1}{2}$  feet long

c.  $5\frac{1}{2}$  feet wide and  $5\frac{1}{2}$  feet long

d.  $6\frac{1}{2}$  feet wide and  $5\frac{1}{2}$  feet long