

NF.6 Lesson 5 - 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 $2\frac{1}{4}$ miles. Micky completed $8\frac{1}{2}$ laps. How many miles did Mickey run?

Why Is this Multiplication?

Solve

2. Javarrie has $6\frac{1}{3}$ boxes of doughnut holes left. Each box contains $3\frac{1}{3}$ dozen doughnut holes. How many dozens of doughnut holes does Javarrie have left?

Why Is this Multiplication?

Solve

3. The measurements of Patrick's new bed are $5\frac{2}{3}$ feet by $9\frac{1}{2}$ feet. What is the area of Patrick's bed?

Why Is this Multiplication?

Solve

4. Dustin's bathroom is $7\frac{1}{4}$ feet wide and $12\frac{2}{3}$ feet long. What is the area of Dustin's bathroom?

Why Is this Multiplication?

Solve

5. If the area of Sariya's bedroom is $42\frac{1}{4}$ 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. $8\frac{1}{2}$ feet wide and $5\frac{1}{2}$ feet long

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

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