

NF.6 Lesson 3 - Problem Set

Name _____

Date _____

Steps:

1. Write an equation to represent the problem.
2. Decompose the mixed number.
3. Find the fraction of the whole number.
4. Find the fraction of the fraction.
5. Combine the pieces, making like units when necessary.

Example:

1. William bought rope for building a treehouse. The piece of rope measures $24 \frac{1}{3}$ feet long. William uses $\frac{3}{4}$ of the rope to build a rope ladder. How many feet of rope did William use?

2. The cost of a large pizza is $10 \frac{1}{2}$ dollars. Jackie used a coupon and only had to pay $\frac{2}{3}$ of the original price. How much did the pizza cost Jackie?

3. The hiking trail at the park is $9 \frac{3}{4}$ miles long. There is a snack stand $\frac{2}{3}$ of the way down the trail. How many miles does someone have to walk in order to get to the snack stand?

4. Alexandrine had a chunk of clay that weighed $24 \frac{2}{3}$ pounds. She used $\frac{3}{8}$ of the clay to build a sculpture. How many pounds of clay did Alexandrine use for the sculpture?

5. Kalua is running a race that is $13 \frac{1}{2}$ miles long. She has completed $\frac{2}{3}$ of the race. How far has Kalua ran so far?

Multi - Operational

6. A container of almonds holds 16 ounces. Javarius ate $3 \frac{1}{3}$ ounces of the almonds. $\frac{3}{4}$ of the remain almonds spilled on the ground. How many ounces of almond were spilled on the ground?

7. After a party there were $3 \frac{1}{4}$ cheese pizzas left and $2 \frac{2}{3}$ pepperoni pizzas left. The next day they ate $\frac{1}{4}$ of the remaining pizza. How many pizzas are still remaining?