

Adding and Subtracting Fractions

1. Nur is making smoothies using this recipe.

a) Write an addition expression to describe how many cups (c) of smoothies Nur will have once the ingredients are mixed.

b) Determine the sum of your expression from part a).

Nur's Special Smoothies

$1\frac{3}{4}$ c blueberries

$\frac{1}{8}$ c milk

$\frac{1}{2}$ c yogurt

$\frac{7}{8}$ c strawberries

$\frac{3}{4}$ c oats

c) Verify your answer using a different addition strategy or by subtracting the amounts used in the recipe from your answer.

Adding and Subtracting Fractions (cont'd)

2. Building supplies are often still measured in Imperial units.

Robin has a piece of PVC plumbing pipe that is 4 yd (yards) long.

As they work on projects, they cut off pieces that are $\frac{7}{8}$ yd long,

$\frac{1}{2}$ yd long, and $1\frac{3}{4}$ yd long.

a) Write a subtraction expression to represent this situation.

b) Determine the value of your expression from part a).

What does the answer tell you?

c) Verify your answer using a different subtraction strategy or by adding the amounts Robin used to your answer.