## Another Look!

A park ranger had $4 \frac{1}{8}$ cups of birdseed. He bought $6 \frac{1}{4}$ more cups of birdseed. Then he filled the park's bird feeders, using $2 \frac{1}{2}$ cups of birdseed. How much birdseed is left?

You can write an expression to help solve the problem: $\left(4 \frac{1}{8}+6 \frac{1}{4}\right)-2 \frac{1}{2}$


Step 1 Add the mixed numbers in parentheses first. Find a common denominator.
$4 \frac{1}{8}+6 \frac{1}{4}$
$\downarrow$
$4 \frac{1}{8}+6 \frac{2}{8}=10 \frac{3}{8}$

Step 2 Subtract $2 \frac{1}{2}$ from the sum you found. Find a common denominator.

Step 3 Find the difference.

## Additional

Practice 7-11
Add and Subtract Mixed Numbers

So, there are $7 \frac{7}{8}$ cups of birdseed left.

In 1-9, solve. Do the operation in parentheses first.

Remember to rename
$10 \frac{3}{8}-2 \frac{4}{8} \quad$ You can't subtract $\frac{4}{8}$ from $\frac{3}{8}$. Regroup $10 \frac{3}{8}$ as $9 \frac{11}{8}$.
$9 \frac{11}{8}-2 \frac{4}{8}=7 \frac{7}{8}$

10. Joel is $2 \frac{1}{2}$ inches shorter than Carlos. Carlos is $1 \frac{1}{4}$ inches taller than Dan. If Dan is $58 \frac{1}{4}$ inches tall, how many inches tall is Joel?
11. Suzy spent $6 \frac{7}{8}$ days working on her English paper, $3 \frac{1}{6}$ days doing her science project, and $1 \frac{1}{2}$ days studying for her math test. How many more days did Suzy spend on her English paper and math test combined than on her science project?
12. Higher Order Thinking Veronica needs to buy $1 \frac{3}{4}$ pounds of cheese. When the clerk places some cheese in a container and weighs it, the scale shows $1 \frac{1}{4}$ pounds. The container weighs $\frac{1}{16}$ pound. How many more pounds of cheese should be added to the scale to get the amount that Veronica needs? Explain how you solved the problem.

Be sure to find all of the questions you
14. Model with Math Four students raised $\$ 264$ for a charity by washing cars. The students received $\$ 8$ for each car they washed. How many cars did they wash?


## Assessment Pracice

15. Which equations are true when $1 \frac{3}{4}$ is placed in the box?

$$
\begin{aligned}
& \square 2 \frac{1}{4}-\frac{6}{7}=\square \\
& \square 2 \frac{5}{12}-\square=\frac{2}{3} \\
& \square 7 \frac{1}{12}-5 \frac{3}{8}=\square \\
& \square+\frac{7}{10}=2 \frac{9}{20}
\end{aligned}
$$

16. Which equations are true when $2 \frac{1}{2}$ is placed in the box?

$$
\begin{aligned}
& \square 9 \frac{1}{8}-6 \frac{3}{4}=\square \\
& \square-1 \frac{1}{2}=1 \\
& \square-\square+1 \frac{1}{8}=3 \frac{5}{8} \\
& \square 1 \frac{1}{2}+\frac{5}{8}+\frac{4}{7}=\square
\end{aligned}
$$

