## Another Look!

Draw a model to add $1 \frac{7}{8}+2 \frac{1}{4}$.

## Additional <br> Practice 7-7

Use Models to Add Mixed Numbers


| Step 1 | Step 2 | Step 3 |
| :--- | :--- | :--- |

Model each addend using fraction strips.


$$
2 \frac{1}{4}=2 \frac{2}{8}
$$

Step 2
Add the fractions. Regroup if possible.


Add the whole numbers to the regrouped fractions. Write the sum. So, $1 \frac{7}{8}+2 \frac{1}{4}=3 \frac{9}{8}=4 \frac{1}{8}$.

$\frac{1}{8}$

In 1-12, use fraction strips to find each sum.

1. $3 \frac{1}{2}+1 \frac{4}{8} 5$
2. $2 \frac{5}{12}+4 \frac{1}{4} \quad 6 \frac{2}{3}$
3. $3 \frac{3}{4}+3 \frac{1}{2} 7 \frac{1}{4}$
4. $2 \frac{5}{8}+4 \frac{3}{4} 7 \frac{3}{8}$
5. $5 \frac{1}{3}+3 \frac{5}{6} 9 \frac{1}{6}$
6. $2 \frac{1}{2}+6 \frac{3}{4} 9 \frac{1}{4}$
7. $3 \frac{1}{4}+4 \frac{7}{8} 8 \frac{1}{8}$
8. $4 \frac{5}{6}+5 \frac{7}{12} 10 \frac{5}{12}$
9. $2 \frac{1}{4}+4 \frac{5}{8} 6 \frac{7}{8}$
10. $6 \frac{1}{2}+7 \frac{3}{4} 14 \frac{1}{4}$
11. $4 \frac{5}{8}+6 \frac{1}{2} 11 \frac{1}{8}$
12. $2 \frac{1}{3}+4 \frac{5}{12} 6 \frac{3}{4}$
13. Ken used $1 \frac{3}{8}$ cups of walnuts and $1 \frac{3}{4}$ cups of raisins to make trail mix. How many total cups of trail mix did he make?
$3 \frac{1}{8}$ cups

14. Ken added $\frac{5}{8}$ cup more walnuts to the trail mix. How many cups of trail mix does he have? $3 \frac{3}{4}$ cups
15. Higher Order Thinking Kayla walked $1 \frac{1}{4}$ miles from home to school. Then, she walked $1 \frac{3}{4}$ miles from school to the store and $2 \frac{1}{2}$ miles from the store to the library. How many miles did Kayla walk from school to the library?
$4 \frac{1}{4}$ miles
16. A painter mixes $\frac{1}{4}$ gallon of red paint, 3 quarts of yellow paint, and 2 quarts of white paint. How many quarts of paint are in the mixture?
6 quarts

17. Model with Math Rachel has a board that is $1 \frac{7}{12}$ feet long and another board that is $2 \frac{11}{12}$ feet long. Write an expression Rachel can use to find the total length in feet of the two boards.
$1 \frac{7}{12}+2 \frac{11}{12}$

## $\frac{1}{12}\left|\frac{1}{12}\right| \frac{1}{12}\left|\frac{1}{12}\right| \frac{1}{12}\left|\frac{1}{12}\right| \frac{1}{12}$


18. Lori went to the movies. She spent $\$ 9.50$ for a movie ticket, $\$ 5.50$ for a box of popcorn, and $\$ 2.25$ for a drink. How much did Lori spend in all? Show your work. \$17.25; \$9.50 + \$5.50 + \$2.25 = \$17.25
19. Construct Arguments Jane is adding $3 \frac{1}{4}+2 \frac{7}{8}$ using fraction strips. How can she rename the sum of the fraction parts of the problem? Explain your thinking. $1 \frac{1}{8} ; \frac{1}{4}+\frac{7}{8}=\frac{2}{8}+\frac{7}{8}=\frac{9}{8}$, and $\frac{9}{8}$ is 1 whole and $\frac{1}{8}$.

## Assessment Practice

20. McKenna spends $1 \frac{3}{4}$ hours mopping the floors and $3 \frac{3}{8}$ hours mowing and weeding the yard. How many hours does she spend on her chores?
(A) 4 hours
(B) $4 \frac{1}{8}$ hours
(C) 5 hours
(D) $5 \frac{1}{8}$ hours
21. Jackie's rain gauge showed $2 \frac{2}{5}$ inches on April 15 and $5 \frac{2}{10}$ inches on April 30. How many inches of rain fell on those two days?
(A) 7 in .
(B) $7 \frac{6}{10} \mathrm{in}$.
(C) $7 \frac{4}{5} \mathrm{in}$.
(D) 8 in .
