**Homework Helper**

Find \(4\frac{3}{8} + 7\frac{1}{4}\).

1. Write an equivalent fraction for \(7\frac{1}{4}\) so that the fractions all have the same denominators. The LCD is 8.
   \[
   7\frac{1}{4} = 7\frac{1}{4} \times \frac{2}{2} = 7\frac{2}{8}
   \]
   Write an equivalent fraction with a denominator of 8.

2. Add.
   \[
   4\frac{3}{8} + 7\frac{1}{4} = 4\frac{3}{8} + 7\frac{2}{8}
   \]
   Write \(7\frac{1}{4}\) as \(7\frac{2}{8}\).
   Group the wholes and the fractions together.
   \[
   = 4 + 7 + \frac{3}{8} + \frac{2}{8}
   \]
   \[
   = 11\frac{5}{8}
   \]
   So, \(4\frac{3}{8} + 7\frac{1}{4} = 11\frac{5}{8}\).

**Practice**

Estimate, then add. Write each sum in simplest form.

1. \(2\frac{1}{10} + 5\frac{7}{10} = \) ________
2. \(9\frac{3}{4} + 8\frac{3}{4} = \) ________
3. \(3\frac{5}{8} + 6\frac{1}{2} = \) ________
4. \(1\frac{1}{12} + 4\frac{5}{12} = \) ________
5. \(11\frac{3}{5} + 6\frac{4}{15} = \) ________
6. \(9\frac{1}{2} + 12\frac{11}{20} = \) ________
Problem Solving

7. A flower is $9\frac{3}{4}$ inches tall. In one week, it grew $1\frac{1}{8}$ inches. How tall is the flower at the end of the week? Write in simplest form.

8. Find ten and three-sevenths plus eighteen and two-sevenths. Write in words in simplest form.

9. **Mathematical Practice 6** Explain to a Friend  Connor is filling a 15-gallon wading pool. On his first trip, he carried $3\frac{1}{12}$ gallons of water. He carried $3\frac{5}{6}$ gallons on his second trip and $3\frac{1}{2}$ gallons on his third trip. Suppose he carries 5 gallons on his next trip. Will the pool be filled? Explain.

Test Practice

10. Benjamin had $2\frac{1}{3}$ gallons of fruit punch left after a party. He had $1\frac{3}{4}$ gallons of lemonade left. How many total gallons did he have left?

   - A $4\frac{1}{12}$ gallons
   - B $3\frac{1}{12}$ gallons
   - C $1\frac{5}{12}$ gallons
   - D $\frac{5}{12}$ gallon