Click the print button from your browser.

Section B: Lessons 8-5 through 8-9
Review

Do You Know How?

Do You Understand?

Estimating Sums and Differences of Mixed Numbers (8-6)

Estimate each sum. Round to the nearest whole number.

1. $1\frac{7}{8} + 10\frac{3}{4}$

2. $14\frac{1}{2} + 2\frac{1}{3}$

3. $4\frac{1}{3} + 1\frac{11}{12}$

4. $3\frac{9}{10} + \frac{5}{6}$

A How can you tell when a fraction is less than $\frac{1}{2}$? Greater than $\frac{1}{2}$?

B How do you round when a mixed number is halfway between two whole numbers?

Understanding Adding and Subtracting Mixed Numbers (8-5)
Adding Mixed Numbers (8-7)
Subtracting Mixed Numbers (8-8)

Add or subtract. Simplify, if necessary. You may use fraction strips or draw pictures to help.

5. $3\frac{1}{10} - 2\frac{1}{5}$

6. $2\frac{1}{6} + 1\frac{7}{8}$

7. $5\frac{9}{10} + 4\frac{1}{4}$

8. $11 - 2\frac{7}{9}$

9. $9\frac{1}{2} - 4\frac{1}{5}$

10. $12\frac{3}{8} + 3\frac{7}{16}$

C Explain when you need to simplify a mixed number answer. Give an example.

D Explain when you have to rename before you can subtract mixed numbers. Give an example.

Problem-Solving Strategy: Work Backward (8-9)

11. John has $7 left from the money his father gave him at the baseball game. He spent $8 on food and $10 on a T-shirt. How much money did John's father give him?

12. A winter storm began on Friday and by Monday morning there were 7 inches left. On Saturday, it melted 3 inches, and on Sunday it snowed another 4 inches. How much did it snow on Friday?

E What strategy did you use to solve Exercise 11?

F Is your answer to Exercise 11 reasonable? Explain how you know.

G Explain how you solved Exercise 12.

Copyright © Pearson Education, Inc.