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Chapter 8 Section B Diagnostic Checkpoint

MULTIPLE CHOICE

- Which shows the difference $6\frac{4}{9} - 2\frac{2}{3}$? (8-8)
A. $4\frac{2}{9}$ B. $3\frac{7}{9}$ C. $4\frac{7}{9}$ D. $4\frac{2}{6}$
- Which shows the best estimate of $3\frac{3}{5} + 2\frac{3}{8} + 4\frac{1}{8} + 4\frac{9}{10}$? (8-6)
A. 13 B. 15 C. 16 D. 14

FREE RESPONSE

Estimate each sum or difference. Round to the nearest whole number. (8-6)

- $4\frac{4}{5} + 3\frac{2}{7}$
- $5\frac{3}{5} - 2\frac{1}{3}$
- $3\frac{11}{13} + 4\frac{1}{4} + \frac{4}{7}$

Add or subtract. Simplify, if necessary. You may use fraction strips or draw pictures to help. (8-5, 8-7, 8-8)

- $2\frac{1}{8} + 3\frac{3}{4}$
- $8\frac{3}{7} - 5\frac{5}{7}$
- $7\frac{2}{3} + 5\frac{1}{2}$
- $6\frac{3}{4} + 8\frac{1}{3}$
- $8\frac{3}{10} - 5\frac{3}{4}$
- $13\frac{1}{7} - 6\frac{1}{2}$
- $3\frac{5}{6} + 8\frac{1}{4}$
- $8\frac{1}{10} + 2\frac{3}{5} + 3\frac{1}{2}$

14. Montell's family made a 1,500-mile trip in 3 days. On Day 3, they traveled 750 miles. On Day 2, they stopped at an amusement park, so they only traveled 200 miles. How many miles did they travel on Day 1? (8-9)

15. The Storm had a net gain of 10 yards in 4 plays, for a first down. During the last three plays, they passed for 7 yards, lost 5 yards, and ran for 6 yards. How many yards did the Storm gain on their first play? (8-9)



Think It Through

When working backward, remember to use the inverse operations of each change.

Writing in Math

- Describe a sum of two distances on the map that equals 3 miles. (8-7)
- What is the shortest route to go from the campground to the general store? Explain how you know. (8-7)

