



MULTIPLE CHOICE

1. Which fraction shows the difference $\frac{7}{12} - \frac{1}{4}$ in simplest form? (8-4)
 A. $\frac{5}{6}$ B. $\frac{4}{12}$ C. $\frac{1}{3}$ D. $\frac{6}{8}$
2. Which number is NOT a common denominator of $\frac{5}{6}$ and $\frac{5}{9}$? (8-3)
 A. 36 B. 54 C. 15 D. 18

14. 100; Sample answer: 100 is itself a denominator, and it is a multiple of all other denominators.

FREE RESPONSE

Add or subtract. Simplify, if possible. You may use fraction strips or draw pictures to help. (8-1 through 8-4)

$$\begin{array}{r} 3. \quad \frac{1}{7} \\ + \frac{3}{7} \\ \hline \frac{4}{7} \end{array}$$

$$\begin{array}{r} 4. \quad \frac{5}{9} \\ - \frac{2}{9} \\ \hline \frac{3}{9} \end{array}$$

$$\begin{array}{r} 5. \quad \frac{11}{12} \\ + \frac{1}{6} \\ \hline 1\frac{1}{12} \end{array}$$

$$6. \quad \frac{9}{10} - \frac{1}{3} = \frac{17}{30}$$

$$7. \quad \frac{4}{5} - \frac{1}{4} = \frac{11}{20}$$

$$8. \quad \frac{5}{8} + \frac{1}{2} = 1\frac{1}{8}$$

$$9. \quad \frac{5}{6} - \frac{1}{4} = \frac{7}{12}$$

$$10. \quad \frac{13}{20} - \frac{3}{10} = \frac{7}{20}$$

$$11. \quad \frac{1}{15} + \frac{2}{3} + \frac{1}{5} = \frac{14}{15}$$

12. Tony walked $\frac{1}{2}$ mile to Ed's house and then $\frac{3}{4}$ mile to the park. How far did Tony walk in all? (8-4) $1\frac{1}{4}$ miles

13. Jen had $\frac{7}{8}$ of a pound of walnuts. She used $\frac{1}{2}$ of a pound for a cake. How many pounds of walnuts were left? (8-4) $\frac{3}{8}$ of a pound

TEST TALK



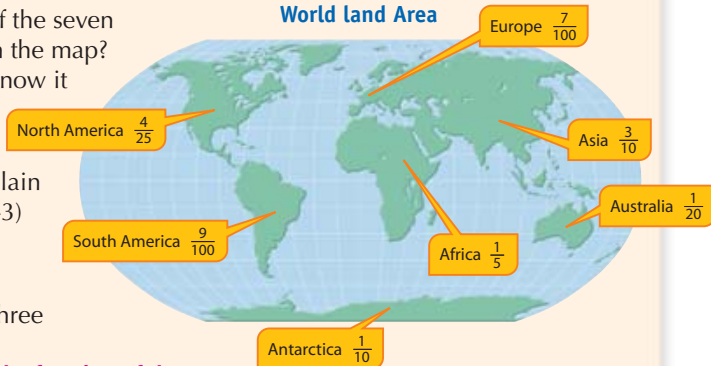
Think It Through

To find the least common denominator of fractions, I need to find the least common multiple of the denominators.

Writing in Math

14. What is the LCD of the seven fractions shown on the map? Explain how you know it is the LCD. (8-3)
See above.
15. Which is larger, Asia or Africa? Explain how you know. (8-3)
See below right.
16. Write and solve a problem about the total land area of three continents. (8-4)

Approximate Fraction of the World Land Area



Sample answer: What is the fraction of the world land area of Africa, Asia, and Australia combined? ($\frac{11}{20}$ of the world land area)

15. Asia; Sample answer: $\frac{1}{5} = \frac{2}{10}$ and $\frac{2}{10} < \frac{3}{10}$