

## LESSON

## 3

**Fraction Operations****Practice A: Regrouping to Subtract Mixed Numbers**

**Regroup each mixed number by regrouping a 1 from the whole number.**

1.  $1\frac{1}{4}$

\_\_\_\_\_

2.  $8\frac{5}{12}$

\_\_\_\_\_

3.  $4\frac{5}{9}$

\_\_\_\_\_

4.  $2\frac{1}{3}$

\_\_\_\_\_

5.  $7\frac{1}{9}$

\_\_\_\_\_

6.  $10\frac{3}{7}$

\_\_\_\_\_

**Subtract. Write each answer in simplest form.**

7.  $2 - \frac{2}{3}$

\_\_\_\_\_

8.  $1 - \frac{1}{4}$

\_\_\_\_\_

9.  $5\frac{1}{4} - 3\frac{1}{2}$

\_\_\_\_\_

10.  $2\frac{1}{3} - 1\frac{5}{6}$

\_\_\_\_\_

11.  $1\frac{4}{9} - \frac{2}{3}$

\_\_\_\_\_

12.  $2\frac{1}{4} - 1\frac{7}{8}$

\_\_\_\_\_

13.  $5\frac{3}{10} - 1\frac{4}{5}$

\_\_\_\_\_

14.  $2\frac{1}{4} - \frac{11}{16}$

\_\_\_\_\_

15.  $3\frac{1}{3} - 2\frac{4}{5}$

\_\_\_\_\_

16. At the pie-eating contest, Dina ate  $3\frac{1}{3}$  pies. Mason ate  $2\frac{5}{6}$  pies.

How much more pie did Dina eat than Mason?

\_\_\_\_\_

17. When Latoya bought her angel fish, it was  $1\frac{1}{2}$  inches long. Now it is  $2\frac{1}{3}$  inches long. How much did her angel fish grow?

\_\_\_\_\_

5.  $\frac{11}{12}$

6.  $\frac{7}{8}$

7.  $\frac{1}{2}$

8.  $\frac{1}{12}$

**Challenge**

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

2.  $\frac{4}{5}$

3.  $\frac{5}{6}$

4.  $\frac{3}{8}$

5.  $\frac{9}{10}$

**Problem Solving**1. Asia and Europe;  $\frac{18}{25}$  of the population2.  $\frac{7}{50}$  of the population3.  $\frac{1}{2}$  of the population

4. C

5. F

6. A

7. H

**Reading Strategies**

1. Fractions that have different denominators.

2. Find a common denominator.

3. Multiply the denominators.

4. three

5. two

6.  $\frac{5}{6}$

7.  $\frac{1}{6}$

**Puzzles, Twisters & Teasers**

1. E;  $\frac{1}{3} + \frac{1}{7} = \frac{7}{21} + \frac{3}{21} = \frac{10}{21}$

2. C;  $\frac{1}{4} + \frac{1}{9} = \frac{9}{36} + \frac{4}{36} = \frac{13}{36}$

3. D;  $\frac{4}{5} - \frac{1}{3} = \frac{12}{15} - \frac{5}{15} = \frac{7}{15}$

4. S;  $\frac{3}{4} - \frac{3}{10} = \frac{15}{20} - \frac{6}{20} = \frac{9}{20}$

5. T;  $\frac{7}{12} + \frac{3}{8} = \frac{14}{24} + \frac{9}{24} = \frac{23}{24}$

6. L;  $\frac{3}{4} - \frac{3}{12} = \frac{9}{12} - \frac{3}{12} = \frac{6}{12} = \frac{1}{2}$

L C D

**Answers for Lesson 3****Practice A**

1.  $\frac{5}{4}$

2.  $7\frac{17}{12}$

3.  $3\frac{14}{9}$

4.  $1\frac{4}{3}$

5.  $6\frac{10}{9}$

6.  $9\frac{10}{7}$

7.  $1\frac{1}{3}$

8.  $\frac{3}{4}$

9.  $1\frac{3}{4}$

10.  $\frac{1}{2}$

11.  $\frac{7}{9}$

12.  $\frac{3}{8}$

13.  $3\frac{1}{2}$

14.  $1\frac{9}{16}$

15.  $\frac{8}{15}$

16.  $\frac{1}{2}$  of a pie

17.  $\frac{5}{6}$  of an inch

**Practice B**

1.  $1\frac{5}{8}$

2.  $2\frac{1}{2}$

3.  $5\frac{7}{9}$

4.  $13\frac{17}{21}$

5.  $3\frac{5}{8}$

6.  $4\frac{1}{2}$

7.  $\frac{7}{18}$

8.  $7\frac{13}{16}$

9.  $2\frac{19}{20}$

10.  $\frac{5}{6}$

11.  $1\frac{1}{4}$

12.  $2\frac{1}{12}$

13.  $1\frac{1}{2}$

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

15.  $2\frac{3}{4}$