Name _____ Date _____ Class _____

LESSON 3-7

Practice C

Adding and Subtracting Fractions

Add or subtract. Write each answer in simplest form.

1. $\frac{7}{15} - \frac{4}{15}$ _____

2. $\frac{7}{18} + \frac{11}{18}$ _____

3. $\frac{6}{7} + \frac{8}{21}$ _____

4. $\frac{2}{5} + \frac{7}{15}$ _____

5. $\frac{5}{12} - \frac{4}{9}$ _____

6. $\frac{7}{30} - \frac{9}{10}$ _____

7. $\frac{8}{9} - \frac{5}{18}$ _____

8. $\frac{7}{25} + \frac{4}{5}$ _____

9. $\frac{3}{8} + \frac{5}{11}$ _____

10. $\frac{1}{8} - \frac{19}{40}$ _____

11. $\frac{5}{8} + \frac{7}{12}$ _____

12. $\frac{5}{6} - \frac{5}{9}$ _____

13. $\frac{7}{8} + \frac{4}{5} + \frac{9}{20}$ _____

14. $\frac{11}{12} - \frac{5}{6} - \frac{2}{3}$ _____

15. $-\frac{2}{3} + \frac{13}{15} - \frac{4}{5}$ _____

16. $-\frac{7}{12} - \frac{1}{5} + \frac{3}{4}$ _____

17. $\frac{7}{9} + \frac{2}{5} - \frac{4}{15}$ _____

18. $\frac{13}{20} - \frac{2}{7} + \frac{11}{35}$ _____

19. In 2001, the population of the United States was about $\frac{2}{7}$ billion people. It is projected that by 2025, there will be over $\frac{1}{3}$ billion people in the United States. How much will the population increase by 2025? _____

20. Benjamin walks $\frac{11}{15}$ mile to work and then $\frac{3}{10}$ mile to the grocery store. How far does he walk? _____

21. About $\frac{2}{5}$ of the population in the United States has blood type A. About $\frac{23}{50}$ have blood type O. What fraction of the population has either blood type A or O? _____

Name _____ Date _____ Class _____

LESSON 3-8

Practice B

Adding and Subtracting Mixed Numbers

Add. Write each answer in simplest form.

1. $7\frac{2}{7} + 6\frac{5}{7}$ _____

2. $5\frac{4}{9} + 3\frac{7}{9}$ _____

3. $4\frac{1}{3} + 8\frac{1}{4}$ _____

4. $2\frac{7}{15} + 3\frac{11}{15}$ _____

5. $6\frac{9}{10} + 1\frac{2}{5}$ _____

6. $2\frac{3}{5} + 1\frac{11}{20}$ _____

7. $5\frac{9}{10} + 2\frac{5}{8}$ _____

8. $2\frac{11}{12} + 3\frac{7}{8}$ _____

9. $1\frac{2}{3} + 5\frac{7}{9}$ _____

Subtract. Write each answer in simplest form.

10. $7\frac{7}{9} - 3\frac{5}{9}$ _____

11. $9\frac{7}{10} - 5\frac{3}{10}$ _____

12. $4\frac{13}{15} - 1\frac{7}{15}$ _____

13. $6\frac{2}{3} - 3\frac{3}{5}$ _____

14. $10\frac{3}{4} - 6\frac{1}{3}$ _____

15. $2\frac{3}{10} - 1\frac{7}{8}$ _____

16. $8\frac{7}{12} - 6\frac{1}{3}$ _____

17. $5\frac{7}{8} - 3\frac{9}{10}$ _____

18. $7\frac{6}{7} - 6\frac{3}{4}$ _____

19. Tucker ran $5\frac{3}{8}$ miles on Monday and $3\frac{3}{4}$ miles on Tuesday. How far did he run on both days?

_____

20. The men's indoor pole vault record in 1993 was $20\frac{1}{6}$ feet. The women's record in 2001 was $15\frac{5}{12}$ feet. How much higher was the men's record than the women's record? _____

21. Richard set a goal of running 10 miles per week. On Monday he ran $3\frac{3}{5}$ miles. On Friday he ran $3\frac{9}{10}$ miles. How much farther does he still have to run to meet his weekly goal? _____