

Name: \_\_\_\_\_

Period: \_\_\_\_\_

# FRACTION MANIA

## LIKE DENOMINATORS

**Add.**

1.  $\frac{1}{5} + \frac{3}{5}$

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

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

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

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

6.  $\frac{3}{4} + \frac{2}{4}$

7.  $\frac{6}{7} + \frac{4}{7}$

8.  $\frac{3}{10} + \frac{9}{10}$

9.  $\frac{7}{8} + \frac{10}{8}$

**Subtract.**

10.  $\frac{4}{9} - \frac{3}{9}$

11.  $\frac{4}{5} - \frac{3}{5}$

12.  $\frac{8}{9} - \frac{2}{9}$

13.  $\frac{7}{8} - \frac{3}{8}$

14.  $\frac{7}{9} - \frac{5}{9}$

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

16.  $\frac{5}{6} - \frac{1}{6}$

17.  $\frac{7}{16} - \frac{3}{16}$

18.  $\frac{9}{12} - \frac{3}{12}$

## ADD WITH UNLIKE DENOMINATORS

**Add. Write in simplest form.**

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

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

3.  $\frac{2}{5} + \frac{3}{10}$

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

5.  $\frac{2}{7} + \frac{2}{3}$

6.  $\frac{1}{6} + \frac{5}{9}$

7.  $\frac{3}{4} + \frac{7}{12}$

8.  $\frac{3}{4} + \frac{2}{6}$

9.  $\frac{4}{8} + \frac{6}{12}$

10.  $\frac{3}{5} + \frac{2}{7}$

11.  $\frac{1}{3} + \frac{5}{8}$

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

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### SUBTRACT WITH UNLIKE DENOMINATORS

**Subtract. Write in simplest form.**

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

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

3.  $\frac{5}{8} - \frac{1}{4}$

4.  $\frac{4}{7} - \frac{5}{12}$

5.  $\frac{5}{6} - \frac{3}{8}$

6.  $\frac{5}{9} - \frac{1}{6}$

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

8.  $\frac{11}{15} - \frac{8}{12}$

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

10.  $\frac{3}{4} - \frac{9}{12}$

11.  $\frac{2}{3} - \frac{5}{8}$

12.  $\frac{7}{10} - \frac{3}{5}$

13.  $\frac{13}{16} - \frac{1}{4}$

14.  $\frac{2}{3} - \frac{1}{7}$

15.  $\frac{5}{9} - \frac{5}{12}$

### MIXED NUMBERS

**Add or subtract. Write in simplest form.**

1.  $2\frac{3}{8} + 2\frac{1}{8}$

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

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

4.  $3\frac{1}{2} + 5\frac{1}{4}$

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

6.  $3\frac{1}{2} - 1\frac{7}{8}$

7.  $5\frac{1}{2} - 1\frac{3}{4}$

8.  $4\frac{7}{8} - 2\frac{3}{4}$

9.  $10\frac{6}{7} + 2\frac{6}{14}$

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### MULTIPLYING FRACTIONS

**Multiply. Write in simplest form.**

1.  $\frac{1}{2} \times \frac{4}{5}$

2.  $\frac{1}{3} \times \frac{5}{12}$

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

4.  $\frac{5}{6} \times \frac{2}{3}$

5.  $\frac{1}{4} \times \frac{2}{5}$

6.  $\frac{2}{3} \times 12$

7.  $\frac{1}{8} \times 10$

8.  $4 \times \frac{3}{5}$

9.  $\frac{3}{5} \times 20$

10.  $8 \times \frac{3}{4}$

11.  $18 \times \frac{3}{10}$

12.  $\frac{4}{7} \times \frac{1}{6}$

### DIVIDING FRACTIONS

**Divide. Write in simplest form.**

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

2.  $\frac{3}{4} \div \frac{3}{5}$

3.  $\frac{2}{3} \div \frac{2}{9}$

4.  $\frac{2}{5} \div \frac{1}{10}$

5.  $\frac{3}{8} \div \frac{1}{4}$

6.  $12 \div \frac{1}{4}$

7.  $6 \div \frac{4}{5}$

8.  $\frac{7}{8} \div 14$

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

10.  $\frac{7}{9} \div \frac{2}{5}$

11.  $\frac{5}{12} \div \frac{1}{3}$

12.  $\frac{3}{10} \div \frac{5}{12}$

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

14.  $\frac{5}{8} \div \frac{2}{5}$

15.  $\frac{12}{15} \div \frac{4}{5}$

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## MULTIPLY AND DIVIDE MIXED NUMBERS

**Multiply. Write in simplest form.**

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

2.  $2\frac{2}{3} \times 6$

3.  $5\frac{1}{2} \times 1\frac{3}{4}$

4.  $1\frac{5}{6} \times \frac{4}{9}$

5.  $2\frac{1}{6} \times \frac{3}{7}$

6.  $3\frac{2}{5} \times 1\frac{1}{4}$

7.  $1\frac{4}{7} \times 7$

8.  $3\frac{3}{8} \times \frac{1}{12}$

**Divide. Write in simplest form.**

9.  $4\frac{2}{9} \div \frac{1}{3}$

10.  $5 \div 2\frac{1}{2}$

11.  $3\frac{1}{3} \div 1\frac{5}{8}$

12.  $\frac{4}{5} \div 6\frac{1}{2}$

13.  $14 \div \frac{7}{10}$

14.  $1\frac{1}{8} \div 2\frac{1}{6}$

15.  $5\frac{3}{5} \div 2\frac{2}{3}$

16.  $3\frac{5}{8} \div 4\frac{3}{4}$