

Lesson 5T ~ Operations with Mixed Numbers

Name _____ Period _____ Date _____

Find each sum or difference. Write your answer in simplest form.

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

a. Rename each mixed number as an improper fraction: $2\frac{1}{2} =$ $3\frac{1}{4} =$

b. Are the denominators different? _____
If so, rename each fraction using the LCD. +

c. Add the numerators of the fractions from **part b**. + =

d. Write the sum over the common denominator.

e. Simplify your answer.

$$2\frac{1}{2} + 3\frac{1}{4} = \underline{\hspace{2cm}}$$

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

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

4. $4\frac{1}{3} + 1\frac{5}{6}$

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

Find each product or quotient. Write your answer in simplest form.

6. $(3\frac{1}{2})(2\frac{2}{3})$

a. Rename each mixed number as an improper fraction. $3\frac{1}{2} =$ $2\frac{2}{3} =$

b. Multiply across the top and the bottom of the fraction.

c. Simplify your answer.

$$(3\frac{1}{2})(2\frac{2}{3}) = \underline{\hspace{2cm}}$$

7. $3(4\frac{1}{4})$

8. $(1\frac{1}{3})(2\frac{2}{3})$

9. $3\frac{1}{2} \div \frac{7}{8}$

Remember to use
the reciprocal for
division problems.

10. $4\frac{1}{2} \div 3\frac{2}{3}$

11. Amos bought $2\frac{1}{4}$ pounds of nails and $3\frac{1}{8}$ pounds of bolts. How many total pounds of supplies did Amos buy?