Unit 1 Module C Notes Sections 3.4 – 3.7

View the PowerPoint, Videos, or Textbook for Module 1C.

<u>Vocabulary</u> *Fill in the blanks.*

1. (Section 3.4) A _____ _____ is a number that represents the sum of a fraction and a whole number.

2. (Section 3.4) To convert from a mixed numeral to fraction notation:

    a. Multiply the whole number by the _____.
    b. _____ the result to the numerator.
    c. Keep the _____.

3. (Section 3.5) To add mixed numbers
    a. First add the _____ .
    b. Then add the whole numbers and, if possible, _____ the _____ _____.

4. (Section 3.6) To multiply using mixed numerals, first convert to _____ _____ and multiply. Then _____ the answer to a _____ _____, if appropriate.

<u>Problems</u> *Show ALL steps.*

1. (Section 3.4) Divide. Write a mixed numeral for an answer.
    a. 157÷7   b. 1761÷24

2. (Section 3.4) Convert the mixed number to an improper fraction.

    $4\dfrac{2}{5}$

3. (Section 3.5) Add mixed numbers AND simplify. (Write your answer as a mixed number)

$$4\frac{3}{10} + 3\frac{9}{10}$$

4. (Section 3.5) Subtract the mixed numbers AND simplify. (Write your answer as a mixed number)

$$6 - 2\frac{3}{4}$$

5. (Section 3.6) A quilt requires 3 ½ yards of fabric. If Joanne purchases 22 yards of fabric, how many complete quilts can she make?

6. (Section 3.7) Simplify using the order of operations. (Write your answer as a mixed number)

$$4\frac{9}{10} + \frac{7}{8} \div \frac{21}{32}$$