http://math.mnrt.net/

Name _____ raw scaled percent

[06-04-19-T6]

Fractions (110 pts)

à **A.** Write each of the following as a mixed number. (2 points each)

[1] **11 ¸ 3** [2] **24 ¸ 5** [3] $\frac{78}{9}$

à **B.** Compute the following. Reduce all answers to lowest terms. (2 points each)

[1] $\frac{3}{8} + \frac{1}{4} =$ [2] $\frac{2}{3} + \frac{3}{12} =$ [3] $\frac{3}{5} + \frac{5}{7} =$

[4] $1 - \frac{3}{8} =$ [5] $\frac{3}{4} - \frac{1}{6} =$ [6] $\frac{3}{5} - \frac{1}{10} - \frac{7}{15} =$

[7] $\frac{2}{3} + \frac{17}{18} - \frac{5}{6} =$ [8] $\frac{1}{2} - \frac{1}{8} - \frac{3}{8} =$ [9] $\frac{63}{100} + \frac{3}{5} =$

à **C.** Compute the following. Reduce all answers to lowest terms. (2 points each)

[1] $3\frac{5}{8} + 1\frac{7}{12} =$ [2] $4\frac{7}{12} + 1\frac{3}{4} =$ [3] $4\frac{3}{4} - 3\frac{7}{12} =$

[4] $3\frac{3}{10} - 1\frac{1}{6} =$ [5] $2\frac{5}{6} + 1\frac{3}{8} =$ [7] $3\frac{1}{3} + 7\frac{5}{204} - 10\frac{1}{3} =$

à **D.** Compute the following. Reduce all answers to lowest terms. (2 points each)

[1] $\frac{3}{2} \times 5 =$ [2] $\frac{2}{3} \times 15 =$ [3] $\frac{3}{5} \times 20 =$

[4] $\frac{3}{2} \times \frac{5}{11} =$ [5] $\frac{3}{2} \times \frac{2}{3} =$ [6] $\frac{18}{35} \times \frac{28}{45} =$

[7] $\frac{6}{55} \times \frac{33}{30} =$ [8] $\frac{13}{103} \times \frac{1}{13} \times \frac{102}{2} =$ [9] $\frac{15}{77} \times \frac{49}{10} =$

à **E.** Compute the following. Reduce all answers to lowest terms. (2 points each)

[1] $\frac{1}{3} \div 2 =$ [2] $\frac{9}{10} \div 6 =$ [3] $\frac{11}{13} \div 11 =$

[4] $\frac{3}{2} \div 33 =$ [5] $2\frac{3}{8} \div 19 =$ [6] $\left(2 + \frac{3}{8}\right) \div 19 =$

[7] $\frac{6}{35} \times \frac{7}{9} \div 2 =$ [8] $\frac{6}{35} \times \frac{7}{9} \div 3 =$ [9] $2\frac{1}{2} \times 3\frac{1}{3} =$

à **F.** Using the facts **1 day = 24 *h*, 1 *h* = 60 min, 1 min = 60 *s*** , convert the following. Reduce all answers to lowest terms. (2 points each)

[1] $\frac{1}{2}$ **min =** ☐ ***s*** [2] $2\frac{3}{4}$ ***h*** **=** ☐ **min** [3] $\frac{1}{4}$ ***h*** **=** ☐ ***s***

[4] $\frac{1}{2}$ **day =** ☐ ***h*** [5] $\frac{1}{60}$ **day =** ☐ **min** [6] $4\frac{2}{3}$ **min =** ☐ **min** ☐ ***s***

à **G.** Word problems (4 points each)

[1] Mr Fu had some eggs. He sold $\frac{5}{8}$ of them. If he sold **300** eggs, how many eggs did he have at first?

[2] David had **$40**. He spent $\frac{1}{5}$ of the money on a book and $\frac{3}{10}$ on a calendar. How much did he spend altogether?

[3] Jan gave $\frac{2}{5}$ of her money to her husband and spent $\frac{1}{2}$ of the remainder. If she had **$300** left, how much money did she have at first?

[4] There are **300** beads in a bottle. Bill takes $\frac{1}{3}$ of the beads away and Dan takes $\frac{2}{5}$ of the beads. What fraction of the beads is left in the bottle?

à **H.** Word problems (4 points each)

[1] Mrs Lin made some tarts. She sold $\frac{3}{5}$ of them in the morning and $\frac{1}{3}$ of the remainder in the afternoon. If she had **200** tarts left, how many tarts did she sell in the morning?

[2] The Acme Bakery made some muffins. The bakery sold $\frac{4}{7}$ of them in the morning and $\frac{1}{6}$ of the remainder in the afternoon. If the bakery sold **700** more muffins in the morning than in the afternoon, how many muffins did it make?