

Name: _____

Date: _____

Learning Goal 2.1

I can add and subtract fractions.

Find the value of the following expressions. Simplify your answer to lowest terms.

a. $\frac{36}{5} + \frac{32}{15} = \frac{28}{3} = 9\frac{1}{3}$

b. $\frac{16}{7} + \frac{9}{7} = \frac{25}{7} = 3\frac{4}{7}$

c. $\frac{23}{6} + \frac{34}{6} = \frac{19}{3} = 6\frac{1}{3}$

d. $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$

e. $\frac{1}{2} - \frac{7}{14} = 0$

f. $3\frac{26}{35} - 2\frac{1}{14} = \frac{117}{70} = 1\frac{47}{70}$

g. $5\frac{10}{17} + \left(-2\frac{13}{30}\right) + 4\frac{1}{10} = \frac{370}{51} = 7\frac{13}{51}$

h. $-3\frac{31}{39} + \left(-5\frac{6}{13}\right) + 3\frac{1}{6} = -\frac{475}{78} = -6\frac{7}{78}$

i. $1\frac{3}{5} + 5\frac{1}{2} = \frac{71}{10} = 7\frac{1}{10}$

j. $5\frac{1}{6} + 7\frac{1}{3} = \frac{25}{2} = 12\frac{1}{2}$

k. $2\frac{1}{5} + 5\frac{1}{10} = \frac{73}{10} = 7\frac{3}{10}$

l. $1\frac{3}{5} + 13\frac{7}{9} + 3\frac{37}{45} = \frac{96}{5} = 19\frac{1}{5}$

m. $3\frac{3}{4} + 6\frac{7}{8} + 2\frac{5}{12} = \frac{313}{24} = 13\frac{1}{24}$