Name Answer Key Section _____

C.Y.U.Q. - Order of Operations with Fractions

a) $\left(\frac{1}{2}+\frac{1}{3}\right)\times\frac{2}{5}=$

$\left(\frac{3}{6}+\frac{2}{6}\right)\times\frac{2}{5}$

$\frac{1}{3}\frac{5}{6}\times\frac{2}{5_1}=\frac{1}{3}$

b) $\frac{7}{8}-\frac{1}{4}\times\frac{1}{2}=$

$\frac{7}{8}-\frac{1}{8}=\frac{6}{8},\ \frac{3}{4}$

c) $\frac{5}{6}+\frac{2}{3}\div\frac{1}{4}=$

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

$\frac{5}{6}+\frac{8}{3}\frac{16}{6}=\frac{21}{6},\ 3\frac{3}{6},\ 3\frac{1}{2}$

d) $\frac{5}{16}-\frac{11}{10}\div\frac{22}{5}=$

$\frac{11_1}{2\,10}\times\frac{5_1}{22_2}$

$\frac{5}{16}-\frac{1}{4_{x4}}\frac{4}{16}=\frac{1}{16}$

e) $\left(\frac{2}{3}\frac{8}{12}-\frac{1}{4}\frac{3}{12}\right)+\left(\frac{1}{2}\times\frac{1}{3}\right)=$

$\frac{5}{12}+\frac{1^{x2}}{6_{x2}}\frac{2}{12}=\frac{7}{12}$

f) $\left(\frac{3}{4}\frac{9}{12}+\frac{2}{3}\frac{8}{12}\right)\times\frac{1}{2}=$

$\frac{17}{12}\times\frac{1}{2}=\frac{17}{24}$

g) $\frac{2}{3}+\frac{1}{3}\times\frac{1}{2}=$

$\frac{2^{x2}}{3_{x2}}\frac{4}{6}+\frac{1}{6}=\frac{5}{6}$

h) $\frac{7}{8}+\frac{1}{4}\times\left(\frac{3}{2}\frac{12}{8}-\frac{5}{8}\right)=$

$\frac{7}{8}+\frac{1}{4}\times\frac{7}{8}$

$\frac{7_{x4}}{8_{x4}}\frac{28}{32}+\frac{7}{32}=\frac{35}{32},\ 1\frac{3}{32}$