Add Unlike Fractions Worksheets

a. $\frac{3}{4} + \frac{1}{7} =$

b. $\frac{1}{4} + \frac{9}{8} =$

c. $\frac{3}{8} + \frac{3}{7} =$

d. $\frac{4}{9} + \frac{4}{7} =$

e. $\frac{1}{5} + \frac{2}{3} =$

f. $\frac{3}{4} + \frac{5}{6} =$

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a) $\frac{3}{4}+\frac{1}{7}=\left(\frac{3\times7}{4\times7}\right)+\left(\frac{1\times4}{7\times4}\right)$

$=\frac{21}{28}+\frac{4}{28}$

$=\frac{25}{28}$

b) $\frac{1}{4}+\frac{9}{8}=\left(\frac{1\times8}{4\times8}\right)+\left(\frac{9\times4}{8\times4}\right)$

$=\frac{8}{32}+\frac{36}{32}$

$=\frac{44}{32}$

$=\frac{32}{32}+\frac{12}{32}=1\frac{12}{32}=1\frac{3}{8}$

c) $\frac{3}{8}+\frac{3}{7}=\left(\frac{3\times7}{8\times7}\right)+\left(\frac{3\times8}{7\times8}\right)$

$=\frac{21}{56}+\frac{24}{56}$

$=\frac{45}{56}$

d) $\frac{4}{9}+\frac{4}{7}=\left(\frac{4\times7}{9\times7}\right)+\left(\frac{4\times9}{7\times9}\right)$

$=\frac{28}{63}+\frac{36}{63}$

$=\frac{64}{63}=\frac{63}{63}+\frac{1}{63}=1\frac{1}{63}$

e) $\frac{1}{5}+\frac{2}{3}=\left(\frac{1\times3}{5\times3}\right)+\left(\frac{2\times5}{3\times5}\right)$

$=\frac{3}{15}+\frac{10}{15}$

$=\frac{13}{15}$

f) $\frac{3}{4}+\frac{5}{6}=\left(\frac{3\times3}{4\times3}\right)+\left(\frac{5\times2}{6\times2}\right)$

$=\frac{9}{12}+\frac{10}{12}$

$=\frac{19}{12}=\frac{12}{12}+\frac{7}{12}=1\frac{7}{12}$

g) $\frac{2}{3}+\frac{1}{11}=\left(\frac{2\times11}{3\times11}\right)+\left(\frac{1\times3}{11\times3}\right)$

$=\frac{22}{33}+\frac{3}{33}$

$=\frac{25}{33}$

h) $\frac{3}{4}+1\frac{1}{10}=\left(\frac{3\times5}{4\times5}\right)+\left(\frac{1\times2}{10\times2}\right)+1$

$=\frac{15}{20}+\frac{2}{20}+1$

$=1\frac{17}{20}$