

Name: Class:

Compare sums and differences of unit fractions

 Without evaluating, compare the sums and differences of the following fractions.
 Use $<$, $>$ or $=$.

a. $\frac{1}{5} - \frac{1}{10}$ $\frac{1}{5} - \frac{1}{10}$

b. $\frac{1}{8} - \frac{1}{11}$ $\frac{1}{8} - \frac{1}{15}$

c. $\frac{1}{15} + \frac{1}{13}$ $\frac{1}{10} + \frac{1}{13}$

d. $\frac{1}{4} - \frac{1}{12}$ $\frac{1}{4} + \frac{1}{2}$

e. $\frac{2}{6} - \frac{1}{3}$ $\frac{3}{9} - \frac{2}{6}$

f. $\frac{1}{3} + \frac{1}{6}$ $\frac{1}{4} + \frac{1}{9}$

g. $\frac{1}{19} + \frac{1}{20}$ $\frac{1}{19} + \frac{1}{20}$

h. $\frac{1}{3} + \frac{1}{2}$ $\frac{1}{3} - \frac{1}{9}$

i. $\frac{1}{3} + \frac{1}{15}$ $\frac{1}{3} - \frac{1}{8}$

j. $\frac{7}{10} + \frac{1}{10}$ $\frac{27}{30} - \frac{1}{10}$

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Without evaluating, compare the sums and differences of the following fractions.
Use $<$, $>$ or $=$.

a. $\frac{1}{5} - \frac{1}{10}$ $=$ $\frac{1}{5} - \frac{1}{10}$

b. $\frac{1}{8} - \frac{1}{11}$ $<$ $\frac{1}{8} - \frac{1}{15}$

c. $\frac{1}{15} + \frac{1}{13}$ $<$ $\frac{1}{10} + \frac{1}{13}$

d. $\frac{1}{4} - \frac{1}{12}$ $<$ $\frac{1}{4} + \frac{1}{2}$

e. $\frac{2}{6} - \frac{1}{3}$ $=$ $\frac{3}{9} - \frac{2}{6}$

f. $\frac{1}{3} + \frac{1}{6}$ $>$ $\frac{1}{4} + \frac{1}{9}$

g. $\frac{1}{19} + \frac{1}{20}$ $=$ $\frac{1}{19} + \frac{1}{20}$

h. $\frac{1}{3} + \frac{1}{2}$ $>$ $\frac{1}{3} - \frac{1}{9}$

i. $\frac{1}{3} + \frac{1}{15}$ $>$ $\frac{1}{3} - \frac{1}{8}$

j. $\frac{7}{10} + \frac{1}{10}$ $=$ $\frac{27}{30} - \frac{1}{10}$