mathskills4kids

Name: ..... Class: .....

Scaling fractions by fractions.

Without evaluating the expressions below, compare the expressions using <, >, or =

a. $\frac{1}{9}$ ☐ $\frac{1}{9} \times \frac{1}{2}$

b. $\frac{3}{5}$ ☐ $\frac{3}{5} \times \frac{7}{4}$

c. $\frac{10}{15}$ ☐ $\frac{10}{15} \times \frac{12}{12}$

d. $\frac{3}{6} \times \frac{5}{9}$ ☐ $\frac{5}{9}$

e. $\frac{16}{17}$ ☐ $\frac{16}{17} \times \frac{20}{20}$

f. $\frac{7}{15}$ ☐ $\frac{7}{15} \times \frac{1}{2}$

g. $\frac{9}{8} \times \frac{17}{20}$ ☐ $\frac{17}{20}$

h. $\frac{3}{3} \times \frac{1}{7}$ ☐ $\frac{1}{7}$

i. $\frac{10}{11} \times \frac{8}{16}$ ☐ $\frac{8}{16}$

g. $\frac{1}{9} \times \frac{1}{1}$ ☐ $\frac{1}{9}$

k. $\frac{1}{5}$ ☐ $\frac{1}{5} \times \frac{5}{17}$

l. $\frac{29}{30} \times \frac{2}{9}$ ☐ $\frac{2}{9}$

m. $\frac{19}{14} \times \frac{1}{3}$ ☐ $\frac{1}{3}$

n. $\frac{6}{8} \times \frac{6}{24}$ ☐ $\frac{6}{8}$

Solution

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Scaling fractions by fractions.

Without evaluating the expressions below, compare the expressions using <, >, or =

a. $\frac{1}{9}$ > $\frac{1}{9} \times \frac{1}{2}$

b. $\frac{3}{5}$ < $\frac{3}{5} \times \frac{7}{4}$

c. $\frac{10}{15}$ = $\frac{10}{15} \times \frac{12}{12}$

d. $\frac{3}{6} \times \frac{5}{9}$ < $\frac{5}{9}$

e. $\frac{16}{17}$ = $\frac{16}{17} \times \frac{20}{20}$

f. $\frac{7}{15}$ > $\frac{7}{15} \times \frac{1}{2}$

g. $\frac{9}{8} \times \frac{17}{20}$ > $\frac{17}{20}$

h. $\frac{3}{3} \times \frac{1}{7}$ = $\frac{1}{7}$

i. $\frac{10}{11} \times \frac{8}{16}$ < $\frac{8}{16}$

g. $\frac{1}{9} \times \frac{1}{1}$ = $\frac{1}{9}$

k. $\frac{1}{5}$ > $\frac{1}{5} \times \frac{5}{17}$

l. $\frac{29}{30} \times \frac{2}{9}$ < $\frac{2}{9}$

m. $\frac{19}{14} \times \frac{1}{3}$ > $\frac{1}{3}$

n. $\frac{6}{8} \times \frac{6}{24}$ < $\frac{6}{8}$