

Name: Class:

Scaling mixed numbers by fractions

 Without evaluating the expressions below. Compare the expressions using $<$, $>$, or $=$.

a. $4\frac{2}{7} \times \frac{6}{6}$ $4\frac{2}{7}$

h. $1\frac{2}{8} \times \frac{1}{4}$ $1\frac{2}{8}$

b. $2\frac{1}{4} \times 1\frac{1}{4}$ $2\frac{1}{4}$

i. $2\frac{11}{12}$ $2\frac{11}{12} \times \frac{24}{24}$

c. $5\frac{1}{2}$ $5\frac{1}{2} \times \frac{1}{3}$

j. $5\frac{2}{7}$ $5\frac{2}{7} \times 3\frac{1}{2}$

d. $71\frac{2}{3}$ $71\frac{2}{3} \times \frac{27}{27}$

k. $16\frac{12}{31} \times \frac{1}{3}$ $16\frac{12}{31}$

e. $3\frac{3}{4} \times \frac{3}{4}$ $3\frac{3}{4}$

l. $2\frac{14}{27}$ $2\frac{14}{27} \times \frac{1}{2}$

f. $5\frac{17}{20} \times 2\frac{1}{3}$ $5\frac{17}{20}$

m. $\frac{18}{24} \times 1\frac{1}{2}$ $1\frac{1}{2}$

g. $2\frac{51}{70} \times \frac{100}{100}$ $2\frac{51}{70}$

n. $1\frac{1}{4}$ $1\frac{1}{4} \times \frac{91}{92}$

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Without evaluating the expressions below. Compare the expressions using $<$, $>$, or $=$.

a. $4\frac{2}{7} \times \frac{6}{6} = 4\frac{2}{7}$

h. $1\frac{2}{8} \times \frac{1}{4} < 1\frac{2}{8}$

b. $2\frac{1}{4} \times 1\frac{1}{4} > 2\frac{1}{4}$

i. $2\frac{11}{12} = 2\frac{11}{12} \times \frac{24}{24}$

c. $5\frac{1}{2} > 5\frac{1}{2} \times \frac{1}{3}$

j. $5\frac{2}{7} < 5\frac{2}{7} \times 3\frac{1}{2}$

d. $71\frac{2}{3} = 71\frac{2}{3} \times \frac{27}{27}$

k. $16\frac{12}{31} \times \frac{1}{3} < 16\frac{12}{31}$

e. $3\frac{3}{4} \times \frac{3}{4} < 3\frac{3}{4}$

l. $2\frac{14}{27} > 2\frac{14}{27} \times \frac{1}{2}$

f. $5\frac{17}{20} \times 2\frac{1}{3} > 5\frac{17}{20}$

m. $\frac{18}{24} \times 1\frac{1}{2} < 1\frac{1}{2}$

g. $2\frac{51}{70} \times \frac{100}{100} = 2\frac{51}{70}$

n. $1\frac{1}{4} > 1\frac{1}{4} \times \frac{91}{92}$