

Compare Fraction Worksheets (using Benchmarks on the Number Line)

3. Compare the fractions given below by writing $>$ or $<$ on the lines.

Give a brief explanation for each answer referring to the benchmarks 0 , $\frac{1}{2}$, and 1 .

a. $\frac{1}{2}$ _____ $\frac{3}{4}$

b. $\frac{1}{2}$ _____ $\frac{7}{8}$

c. $\frac{2}{3}$ _____ $\frac{2}{5}$

d. $\frac{9}{10}$ _____ $\frac{3}{5}$

e. $\frac{2}{3}$ _____ $\frac{7}{8}$

f. $\frac{1}{3}$ _____ $\frac{2}{4}$

g. $\frac{2}{3}$ _____ $\frac{5}{10}$

h. $\frac{11}{12}$ _____ $\frac{2}{5}$

i. $\frac{49}{100}$ _____ $\frac{51}{100}$

j. $\frac{7}{16}$ _____ $\frac{51}{100}$

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3. Compare the fractions given below by writing $>$ or $<$ on the lines.

Give a brief explanation for each answer referring to the benchmarks 0, $\frac{1}{2}$, and 1.

a. $\frac{1}{2} < \frac{3}{4}$
 $\frac{3}{4}$ is greater than $\frac{1}{2}$

b. $\frac{1}{2} < \frac{7}{8}$
 $\frac{7}{8}$ is closer to 1.

c. $\frac{2}{3} > \frac{2}{5}$
 $\frac{2}{3}$ is greater than $\frac{1}{2}$
 $\frac{2}{5}$ is less than $\frac{1}{2}$

d. $\frac{9}{10} > \frac{3}{5}$
 $\frac{9}{10}$ is close to 1
 $\frac{3}{5}$ is close to $\frac{1}{2}$

e. $\frac{2}{3} < \frac{7}{8}$
 $\frac{2}{3}$ is $\frac{1}{3}$ away from 1
 $\frac{7}{8}$ is $\frac{1}{8}$ away from 1

f. $\frac{1}{3} < \frac{2}{4}$
 $\frac{1}{3}$ is less than $\frac{1}{2}$
 $\frac{2}{4}$ is equal to $\frac{1}{2}$

g. $\frac{2}{3} > \frac{5}{10}$
 $\frac{2}{3}$ is more than $\frac{1}{2}$
 $\frac{5}{10}$ is equal to $\frac{1}{2}$

h. $\frac{11}{12} > \frac{2}{5}$
 $\frac{11}{12}$ is closer to 1

i. $\frac{49}{100} < \frac{51}{100}$
 $\frac{49}{100}$ is less than $\frac{1}{2}$
 $\frac{51}{100}$ is more than $\frac{1}{2}$

j. $\frac{7}{16} < \frac{51}{100}$
 $\frac{7}{16}$ is less than $\frac{1}{2}$
 $\frac{51}{100}$ is more than $\frac{1}{2}$