mathskills4kids

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

Compare fractions with like and unlike denominator

Complete with $>$, $<$ or $=$.

$\frac{5}{8} \square \frac{10}{8}$	$\frac{10}{16} \square \frac{5}{16}$	$\frac{24}{30} \square \frac{29}{30}$
$\frac{1}{3} - \frac{1}{3}$	$\frac{3}{2} \square \frac{7}{2}$	$\frac{2}{2} \square \frac{1}{2}$
$\frac{30}{40} \square \frac{13}{40}$	$\frac{13}{20} \square \frac{13}{20}$	$\frac{47}{15} \square \frac{61}{15}$

a. $\frac{5}{8} \square \frac{7}{4}$

step 1

Multiple of 8: 8, 16, 24...

Multiple of 4: 4, 8, 12, 16, 20, 24...

The LCD of 8 and 4 = 8

step 2

Write the equivalent for 2/9 and 7/5 that have a denominator of 8. Find the digit that when you multiply each fraction with will give you 8 as denominator.

step 3

$\frac{5 \times 1}{8 \times 1} = \frac{5}{8}$

$\frac{7 \times 2}{4 \times 2} = \frac{14}{8}$

step 4

$\frac{5}{8} < \frac{14}{8}$ → $\frac{5}{8} < \frac{7}{4}$

b. $\frac{2}{9} \square \frac{7}{5}$

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

d. $\frac{3}{5} \square \frac{9}{5}$

e. $\frac{9}{7} \square \frac{4}{5}$

f. $\frac{13}{7} \square \frac{4}{7}$

g. $\frac{13}{5} \square \frac{11}{6}$

h. $\frac{2}{6} \square \frac{1}{3}$

i. $\frac{6}{18} \square \frac{12}{18}$

j. $\frac{6}{9} \square \frac{2}{3}$

Solution

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Compare fractions with like and unlike denominator

Complete with $>$, $<$ or $=$.

$\frac{5}{8} < \frac{10}{8}$ $\quad$ $\frac{10}{16} > \frac{5}{16}$ $\quad$ $\frac{24}{30} < \frac{29}{30}$

$\frac{1}{3} = \frac{1}{3}$ $\quad$ $\frac{3}{2} < \frac{7}{2}$ $\quad$ $\frac{2}{2} > \frac{1}{2}$

$\frac{30}{40} > \frac{13}{40}$ $\quad$ $\frac{13}{20} = \frac{13}{20}$ $\quad$ $\frac{47}{15} < \frac{61}{15}$

a. $\frac{5}{8} \square \frac{7}{4}$

step 1

Multiples of 8: 8, 16, 24...

Multiples of 4: 4, 8, 12, 16, 20, 24...

The LCD of 8 and 4 = 8

step 2

Write the equivalent fractions for 5/8 and 7/4 that have a denominator of 8. Find the digit that when you multiply each fraction with will give you 8 as denominator.

step 3

$\frac{5 \times 1}{8 \times 1} = \frac{5}{8}$

$\frac{7 \times 2}{4 \times 2} = \frac{14}{8}$

step 4

$\frac{5}{8} < \frac{14}{8}$ → $\frac{5}{8} < \frac{7}{4}$

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g. $\frac{13}{5} > \frac{11}{6}$

h. $\frac{2}{6} = \frac{1}{3}$

i. $\frac{6}{18} < \frac{12}{18}$

j. $\frac{6}{9} = \frac{2}{3}$