

## Fractions

### Skill 5 - 11D

#### Compare Fractions

Compare the fractions  $\frac{2}{3}$  and  $\frac{7}{8}$ . Write  $<$ ,  $>$ , or  $=$ .

Step 1	Step 2
<p>Find the least common multiple of the denominators.</p> <p>Multiples of 3 are 3, 6, 9, 12, 15, 18, 21, <b>24</b>, 27 ...</p> <p>Multiples of 8 are 8, 16, <b>24</b>, 32, 40, ...</p> <p>The least common denominator of <math>\frac{2}{3}</math> and <math>\frac{7}{8}</math> is 24.</p>	<p>Use the LCD to write equivalent fractions.</p> $\frac{2}{3} = \frac{2 \times 8}{3 \times 8} = \frac{16}{24} \leftarrow \text{LCD}$ $\frac{7}{8} = \frac{7 \times 3}{8 \times 3} = \frac{21}{24} \leftarrow \text{LCD}$

$$\frac{16}{24} < \frac{21}{24}$$

Compare. Write  $<$ ,  $>$ , or  $=$ .

1.  $\frac{1}{4}$    $\frac{2}{5}$

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

3.  $\frac{3}{8}$    $\frac{3}{4}$

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

5.  $\frac{1}{3}$    $\frac{1}{5}$

6.  $\frac{2}{3}$    $\frac{2}{8}$

7.  $\frac{1}{2}$    $\frac{5}{8}$

8.  $\frac{2}{3}$    $\frac{1}{2}$

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Compare. Write  $<$ ,  $>$ , or  $=$ .

9.  $\frac{4}{8}$    $\frac{9}{16}$

10.  $\frac{1}{4}$    $\frac{2}{5}$

11.  $\frac{2}{4}$    $\frac{1}{2}$

12.  $\frac{3}{4}$    $\frac{1}{8}$

13.  $\frac{3}{4}$    $\frac{12}{16}$

14.  $\frac{6}{10}$    $\frac{3}{5}$

15.  $\frac{1}{2}$    $\frac{4}{7}$

16.  $\frac{3}{5}$    $\frac{9}{15}$

17.  $\frac{3}{4}$    $\frac{3}{7}$

18.  $\frac{3}{5}$    $\frac{5}{8}$

19.  $\frac{2}{4}$    $\frac{2}{8}$

20.  $\frac{2}{16}$    $\frac{2}{4}$

21.  $\frac{1}{8}$    $\frac{3}{4}$

22.  $\frac{7}{11}$    $\frac{1}{2}$

Answers: Skill 11D, Grade 5

1.  $\frac{5}{20} < \frac{8}{20}$

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

3.  $\frac{3}{8} < \frac{6}{8}$

4.  $\frac{2}{4} = \frac{2}{4}$

5.  $\frac{5}{15} > \frac{3}{15}$

6.  $\frac{16}{24} > \frac{6}{24}$

7.  $\frac{4}{8} < \frac{5}{8}$

8.  $\frac{4}{6} > \frac{3}{6}$

9.  $\frac{8}{16} < \frac{9}{16}$

10.  $\frac{5}{20} < \frac{8}{20}$

11.  $\frac{2}{4} = \frac{2}{4}$

12.  $\frac{6}{8} > \frac{1}{8}$

13.  $\frac{12}{16} = \frac{12}{16}$

14.  $\frac{6}{10} = \frac{6}{10}$

15.  $\frac{7}{14} < \frac{8}{14}$

16.  $\frac{9}{15} = \frac{9}{15}$

17.  $\frac{21}{28} > \frac{12}{28}$

18.  $\frac{24}{40} < \frac{25}{40}$

19.  $\frac{4}{8} > \frac{2}{8}$

20.  $\frac{2}{16} < \frac{8}{16}$

21.  $\frac{1}{8} < \frac{6}{8}$

22.  $\frac{14}{22} > \frac{11}{22}$