

4.1 Common Denominators

State the multiples of each number (below 50):

2
2 20 40
4 22 42
6 24 44
8 26 46
10 28 48
12 30
14 32
16 34
18 36

3
3 30
6 33
9 36
12 39
15 42
18 45
21 48
24 48

4
4 40
8 44
12 48
16 48
20
24
28
32
36

5
5 45
10
15
20
25
30
35
40

6
6
12
18
24
30
36
42
48

State the common multiples of each set of numbers (below 50)

2 & 5
10
20
30
40

3 & 6
6 42
12 48
18
24
30
36

4 & 6
12
24
36
48
Least Common Multiple LCM

2, 3 & 4
12
24
36
48

3, 4 & 5
NONE

State a lowest common denominator (LCD) for each set of fractions, then write equivalent fraction with that LCD.

$\frac{1}{3}$ & $\frac{3}{4}$
LCD = 12
 $\frac{4}{12}$ $\frac{9}{12}$

$\frac{5}{8}$ & $\frac{1}{6}$
LCD = 24
 $\frac{15}{24}$ $\frac{4}{24}$

$\frac{2}{5}$ & $\frac{2}{3}$
LCD = 30
 $\frac{12}{30}$ $\frac{15}{30}$ $\frac{20}{30}$

$\frac{3}{20}$ & $\frac{4}{25}$
LCD = 100
 $\frac{15}{100}$ $\frac{16}{100}$

$\frac{3}{10}$, $\frac{1}{2}$ & $\frac{3}{4}$
LCD = 20
 $\frac{6}{20}$, $\frac{10}{20}$, $\frac{15}{20}$

Compare each pair of fractions using < or > signs.

$\frac{2}{3}$ $\square$ $\frac{3}{4}$
 $\frac{8}{12}$ $\frac{9}{12}$

$\frac{2}{3}$ $\square$ $\frac{3}{5}$
 $\frac{10}{15}$ $\frac{9}{15}$

$\frac{7}{10}$ $\square$ $\frac{8}{15}$
 $\frac{21}{30}$ $\frac{16}{30}$