

Comparing and Ordering Fractions 2 Name: _____

- using LCD

Example : Order the fractions from greatest to smallest

$$\frac{3}{4}, \frac{2}{6}, \frac{1}{2}$$

LCD 4	4, 8, <u>12</u> , 16, 20, 24, 28
6	6, <u>12</u> , 18, 24, 30
2	2, 4, 6, 8, 10, <u>12</u>

STEP 1

LCD = 12
Step 2

$$\frac{3}{4} = \frac{9}{12}$$

(x3)

$$\frac{2}{6} = \frac{4}{12}$$

(x2)

$$\frac{1}{2} = \frac{6}{12}$$

(x6)

Steps

- 1) Find LCD
- 2) Find equivalent fractions with LCD denominator
- 3) Compare!

$$\left(\frac{3}{4}\right) \left(\frac{2}{6}\right) \left(\frac{1}{2}\right)$$

$$\frac{9}{12}, \frac{4}{12}, \frac{6}{12}$$

therefore it's

$$\frac{3}{4}, \frac{1}{2}, \frac{2}{6}$$

Practice : Order the fractions from greatest to smallest.

$$\frac{2}{5}, \frac{3}{6}, \frac{5}{10}$$

LCD 5	
6	
10	

Final Answer :

$$1. \frac{8}{9}, \frac{5}{6}, \frac{1}{3}$$

$$2. \frac{1}{2}, \frac{8}{12}, \frac{4}{6}$$

$$3. \frac{4}{5}, \frac{6}{10}, \frac{3}{6}$$

$$4^* \frac{3}{8}, \frac{5}{7}, \frac{9}{14}$$

Try these on your own lined paper, Be NEAT!

$$1. \frac{3}{4}, \frac{2}{8}, \frac{6}{12}, \frac{5}{6}$$

$$3. \frac{6}{6}, \frac{4}{5}, \frac{3}{5}, \frac{1}{10}$$

$$2. \frac{1}{3}, \frac{4}{5}, \frac{7}{10}, \frac{3}{6}$$

$$4^* \frac{5}{7}, \frac{2}{4}, \frac{4}{9}$$