

Ordering fractions

Put the following fractions in order with the smallest first:

$$\frac{1}{2} \quad \frac{1}{4} \quad \frac{5}{6} \quad \frac{2}{3}$$

1. Change all the fractions to the same denominator.
2. In this case we will use 12 because 2, 4, 6, and 3 all go into it.

$$\frac{1 \times 6}{2 \times 6} \quad \frac{1 \times 3}{4 \times 3} \quad \frac{5 \times 2}{6 \times 2} \quad \frac{2 \times 4}{3 \times 4}$$

3. Your fractions will now be: $\frac{6}{12}$ $\frac{3}{12}$ $\frac{10}{12}$ $\frac{8}{12}$

4. Now put your fractions in order (smallest to biggest.) $\frac{3}{12}$ $\frac{6}{12}$ $\frac{8}{12}$ $\frac{10}{12}$

5. Change back, keeping them in order. $\frac{1}{4}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{5}{6}$

Put these fractions in descending order.

$$\frac{1}{3} \quad \frac{3}{4} \quad \frac{5}{12} \quad \frac{1}{2} \quad \frac{5}{6}$$

$$\frac{1}{15} \quad \frac{2}{3} \quad \frac{4}{5} \quad \frac{1}{3} \quad \frac{7}{15}$$

$$\frac{3}{4} \quad \frac{1}{6} \quad \frac{7}{12} \quad \frac{2}{3} \quad \frac{1}{2}$$

$$\frac{2}{3} \quad \frac{5}{9} \quad \frac{1}{6} \quad \frac{2}{9} \quad \frac{1}{2}$$

What is $\frac{3}{7}$ of 14? _____ 56? _____ 77? _____ 700? _____

What is $\frac{5}{27}$ of 27? _____ 45? _____ 54? _____ 999? _____

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3. Your fractions will now be: $\frac{6}{12} \quad \frac{3}{12} \quad \frac{10}{12} \quad \frac{8}{12}$

4. Now put your fractions in order (smallest to biggest.) $\frac{3}{12} \quad \frac{6}{12} \quad \frac{8}{12} \quad \frac{10}{12}$

5. Change back, keeping them in order. $\frac{1}{4} \quad \frac{1}{2} \quad \frac{2}{3} \quad \frac{5}{6}$

Now try these! Put the fractions into ascending order (smallest to biggest.)

1. $\frac{3^x}{4_x} \quad \frac{4^x}{5_x} \quad \frac{3^x}{10_x}$

(change) — — —

(order) — — —

(change back) — — —

2. $\frac{2^x}{3_x} \quad \frac{7^x}{10_x} \quad \frac{1^x}{2_x}$

(change) — — —

(order) — — —

(change back) — — —

3. $\frac{2^x}{5_x} \quad \frac{3^x}{8_x} \quad \frac{3^x}{10_x}$

(change) — — —

(order) — — —

(change back) — — —

4. $\frac{1^x}{2_x} \quad \frac{2^x}{3_x} \quad \frac{5^x}{8_x}$

(change) — — —

(order) — — —

(change back) — — —

5. $\frac{1}{4} \quad \frac{1}{2} \quad \frac{5}{16} \quad \frac{2}{8}$

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