

Factors and fractions
WORKSHEET#4

1. ?

For each set of fractions below, predict their order, largest to smallest, without converting them.

a) $\frac{6}{23}$, $\frac{5}{23}$, $\frac{11}{23}$

g) $\frac{8}{6}$, $\frac{5}{12}$, $\frac{10}{3}$

b) $\frac{3}{7}$, $\frac{3}{27}$, $\frac{3}{37}$

h) $\frac{4}{10}$, $\frac{2}{15}$, $\frac{3}{20}$

c) $\frac{4}{9}$, $\frac{7}{18}$, $\frac{2}{36}$

i) $\frac{41}{18}$, $\frac{5}{2}$, $\frac{19}{9}$

d) $\frac{1}{5}$, $\frac{8}{10}$, $\frac{4}{15}$

j) $\frac{9}{4}$, $\frac{14}{5}$, $\frac{3}{2}$

e) $\frac{5}{2}$, $\frac{6}{3}$, $\frac{12}{5}$

f) $\frac{3}{7}$, $\frac{5}{4}$, $\frac{15}{14}$

2. ?

Order each set of fractions in Question 1 by finding their lowest common denominator. Check to see if your predictions were close.

3. ?

Instead of the star, enter the digits so you get the correct inequality.

a) $\frac{1}{3} < \frac{*}{12} < \frac{5}{4}$

b) $\frac{2}{5} < \frac{8}{*} < \frac{4}{7}$

The rule in comparing and ordering fractions:
First of all, convert fractions to have the same numerator or denominator.





2.

a) $\frac{11}{23}, \frac{6}{23}, \frac{5}{23}$

b) $\frac{3}{7}, \frac{3}{27}, \frac{3}{37}$

c) $\frac{4}{9}, \frac{7}{18}, \frac{2}{36}$

d) $\frac{8}{10}, \frac{4}{15}, \frac{1}{5}$

e) $\frac{5}{2}, \frac{12}{5}, \frac{6}{3}$

f) $\frac{5}{4}, \frac{15}{14}, \frac{3}{7}$

g) $\frac{10}{3}, \frac{8}{6}, \frac{5}{12}$

h) $\frac{4}{10}, \frac{3}{20}, \frac{2}{15}$

i) $\frac{5}{2}, \frac{41}{18}, \frac{19}{9}$

j) $\frac{14}{5}, \frac{9}{4}, \frac{3}{2}$

3.

a) 5, 6, 7, 8, 9, 10, 11, 12, 13 or 14

b) 15, 16, 17, 18 or 19