

Ordering with Fractions, Decimals & Percentages

Write all answers in your exercise book. Don't forget to rewrite the list using the original numbers now what you have converted them to.

1. Find a common denominator for these fractions BEFORE you order them (smallest to biggest) . Do not use a calculator.

a $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \frac{7}{8}$

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

c $\frac{3}{5}, \frac{1}{10}, \frac{7}{10}, \frac{1}{2}$

d $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{7}{12}$

e $\frac{4}{5}, \frac{11}{20}, \frac{9}{10}, \frac{3}{4}$

f $\frac{2}{3}, \frac{3}{5}, \frac{13}{15}, \frac{2}{5}$

g $\frac{5}{9}, \frac{5}{6}, \frac{17}{18}, \frac{1}{2}$

h $\frac{7}{12}, \frac{1}{2}, \frac{5}{8}, \frac{13}{24}$

2. Put these decimal in order starting with the smallest

a 0.23, 0.2, 0.3, 0.023

b 0.6, 0.5, 0.05, 0.55,

c 0.31, 0.103, 0.3, 0.1, 0.013

d 0.8, 8.0, 0.42, 2.04

3. Change any fractions to decimals first (divide top by bottom using a calculator) then rewrite these in order starting with the smallest.

a $\frac{1}{4}, 0.4, \frac{3}{4}, 0.3$

b $\frac{1}{8}, 0.2, 0.04, \frac{3}{8}$

c $\frac{7}{16}, \frac{2}{3}, 0.6, 0.5$

d $\frac{8}{9}, 0.9, \frac{5}{6}, 0.88$

e $\frac{3}{7}, \frac{1}{2}, 0.49, 0.2$

f $\frac{3}{5}, 0.24, 1, \frac{5}{4}$

4. Now we have percentages as well, use your calculator to convert fractions to decimals as in Q3 and convert percentages to decimals (divide them by 100). Then rewrite the list in order from smallest to biggest

a $\frac{7}{10}, 0.07, 77\%, \frac{17}{20}$

b $\frac{5}{16}, \frac{3}{4}, 65\%, 0.7$

c $\frac{7}{9}, \frac{2}{3}, 0.66, 78\%$

d $\frac{7}{32}, 25\%, 0.05, \frac{29}{100}$

e 2%, 22%, $\frac{1}{5}, \frac{222}{1000}, 0.202$