Comparison of Rational Numbers

A. Which of the two rational numbers in each of the following pairs of rational numbers is smaller?

(i) $\frac{-4}{3}$ or $\frac{-8}{7}$

(ii) $\frac{(-6)}{(-13)}$ or $\frac{7}{13}$

(iii) $\frac{7}{-9}$ or $\frac{-5}{8}$

(iv) $\frac{15}{(-5)} - 3$

(v) $\frac{-1}{3}$ or $\frac{4}{5}$

(vi) $\frac{(-4)}{3}$ or $\frac{8}{(-7)}$

B. Arrange the following rational number ascending order:

(i) $\frac{2}{3}, \frac{5}{7}, \frac{(-4)}{(-9)}, \frac{1}{4}$

(ii) $\frac{4}{(-9)}, \frac{(-5)}{12}, \frac{7}{(-18)}, \frac{(-2)}{3}$

(iii) $\frac{3}{5}, \frac{(-17)}{(-30)}, \frac{8}{(-15)}, \frac{(-7)}{10}$

(iv) $\frac{(-3)}{4}, \frac{5}{(-12)}, \frac{(-7)}{16}, \frac{9}{(-24)}$

C. Arrange the following rational number descending order:

(i) $-2 \quad \frac{(-13)}{6} \quad \frac{8}{(-3)} \quad \frac{1}{3}$

(ii) $\frac{(-3)}{(-5)} \quad \frac{17}{30} \quad \frac{(-8)}{15} \quad \frac{7}{(-10)}$

(iii) $\frac{(-3)}{10} \quad \frac{7}{(-15)} \quad \frac{(-11)}{20} \quad \frac{17}{(-30)}$

(iv) $\frac{7}{8} \quad \frac{64}{16} \quad \frac{36}{(-12)} \quad \frac{5}{(-4)} \quad \frac{140}{28}$