

(1) Rangskik die volgende breuke in stygende volgorde:

$$(a) \quad \frac{3}{4} ; \frac{2}{3} \text{ en } \frac{4}{5} : \quad \frac{3}{4} = \frac{45}{60} ; \frac{2}{3} = \frac{40}{60} ; \frac{4}{5} = \frac{48}{60}$$

$$\therefore \frac{2}{3} < \frac{3}{4} < \frac{4}{5}$$

$$(b) \quad \frac{2}{3} ; \frac{5}{7} \text{ en } \frac{4}{6} : \quad \frac{2}{3} = \frac{28}{42} ; \frac{5}{7} = \frac{30}{42} ; \frac{4}{6} = \frac{28}{42}$$

$$\therefore \frac{2}{3} = \frac{4}{6} < \frac{5}{7}$$

(2) Rangskik die volgende breuke in dalende volgorde:

$$(a) \quad \frac{5}{8} ; \frac{2}{3} \text{ en } \frac{3}{4} : \quad \frac{5}{8} = \frac{15}{24} ; \frac{2}{3} = \frac{16}{24} ; \frac{3}{4} = \frac{18}{24}$$

$$\therefore \frac{3}{4} > \frac{2}{3} > \frac{5}{8}$$

$$(b) \quad -1\frac{1}{2} ; -1\frac{2}{3} \text{ en } \frac{-7}{5} : \quad \frac{-3}{2} = \frac{-45}{30} ; \frac{-5}{3} = \frac{-50}{30} ; \frac{-7}{5} = \frac{-42}{30}$$

$$\therefore \frac{-7}{5} > -1\frac{1}{2} > -1\frac{2}{3}$$

(3) Plaas telkens 'n rationale getal tussen die volgende getalle:

$$(a) \quad \frac{-1}{3} \text{ en } \frac{-3}{5} : \quad \frac{-1}{3} = \frac{-5}{15} \text{ en } \frac{-3}{5} = \frac{-9}{15}$$

$$\therefore \frac{-3}{5} < \frac{-8}{15} \text{ of } \frac{-7}{15} \text{ of } \frac{-6}{15} < \frac{-1}{3}$$

$$(b) \quad \frac{3}{4} \text{ en } \frac{7}{10} : \quad \frac{3}{4} = \frac{15}{20} = \frac{30}{40} \text{ en } \frac{7}{10} = \frac{14}{20} = \frac{28}{40}$$

$$\therefore \frac{7}{10} < \frac{29}{40} < \frac{3}{4}$$