

GEEN SAKREKENAAR MAG IN HIERDIE OEFENING GEBRUIK WORD NIE!

- (1) Rangskik die volgende getalle van klein na groot: $1,7$; $1\frac{4}{5}$ en $1\frac{3}{4}$

$$\begin{array}{lll} 1,7 & 1\frac{4}{5} \times \frac{4}{4} & 1\frac{3}{4} \times \frac{5}{5} \\ = 1\frac{7}{10} \times \frac{2}{2} & = 1\frac{16}{20} \text{ ③} & = 1\frac{15}{20} \text{ ②} \\ = 1\frac{14}{20} \text{ ①} & & \end{array}$$

$$\therefore 1,7 < 1\frac{3}{4} < 1\frac{4}{5}$$

- (2) Vereenvoudig: *Orde van bewerking!*

$$\begin{array}{l} \text{(a)} \quad \frac{5}{6} + \frac{3}{4} + 1 \\ = \frac{5}{6} \times \frac{2}{2} + \frac{3}{4} \times \frac{3}{3} + \frac{1}{1} \times \frac{12}{12} \\ = \frac{10}{12} + \frac{9}{12} + \frac{12}{12} \\ = \frac{10 + 9 + 12}{12} \\ = \frac{31}{12} \\ = 2\frac{7}{12} \end{array}$$

$$\begin{array}{l} \text{(b)} \quad \frac{3}{4} \text{ van } 116 \\ = \frac{3}{4} \times \frac{116}{1} \text{ 29} \\ = 3 \times 29 \\ = 87 \end{array}$$

$$\begin{array}{l} \text{(c)} \quad -\frac{84}{25} \div \frac{12}{20} \\ = -\frac{84}{25} \times \frac{20}{12} \text{ 4} \\ = -\frac{7 \times 4}{5} \end{array}$$

$$\begin{array}{l} = -\frac{28}{5} \\ = -5\frac{3}{5} \end{array}$$

$$\begin{array}{l} \text{(d)} \quad 1\frac{3}{4} \times \frac{10}{21} \times 3\frac{3}{5} \\ = \frac{7}{4} \times \frac{10}{21} \times \frac{18}{5} \end{array}$$

$$\begin{array}{l} = \frac{1 \times 2 \times 18}{4 \times 3 \times 5} \\ = \frac{6}{2} \\ = 3 \end{array}$$

$$(e) 2 - 4\frac{1}{5}$$

$$= \frac{2}{1} - \frac{21}{5}$$

$$= \frac{2}{1} \times \frac{5}{5} - \frac{21}{5}$$

$$= \frac{10}{5} - \frac{21}{5}$$

$$= -\frac{11}{5}$$

$$= -2\frac{1}{5}$$

$$(f) 8\frac{5}{6} - (-3\frac{3}{4})$$

$$= \frac{53}{6} + \frac{15}{4}$$

$$= \frac{53}{6} \times \frac{2}{2} + \frac{15}{4} \times \frac{3}{3}$$

$$= \frac{106}{12} + \frac{45}{12}$$

$$= \frac{151}{12}$$

$$= 12\frac{7}{12}$$

- (3) Skryf $\frac{1}{4}$ en $\frac{1}{5}$ in desimale vorm en plaas drie rasionale getalle tussen hulle.

$$\frac{1}{4} \times \frac{25}{25} = \frac{25}{100}$$

$$= 0,25$$

$$\frac{1}{5} \times \frac{20}{20} = \frac{20}{100}$$

$$= 0,20$$

$$\therefore \frac{1}{4} = 0,25 > 0,24 > 0,23 > 0,22 > 0,21 > 0,20 = \frac{1}{5}$$

- (4) Skryf vier ekwivalente breuke neer vir: -0,5

$$-0,5 = -\frac{5}{10} = -\frac{1}{2} = -\frac{2}{4} = -\frac{3}{6} \dots\dots$$