

# Asas Nombor

Digit terbesar bagi nombor dalam asas  $a = a-1$ .

$$a^0 = 1 \text{ dgn } a \neq 0.$$

$$\frac{10^3}{1000} \mid \frac{10^2}{100} \mid \frac{10^1}{10} \mid \frac{10^0}{1}$$

$$\frac{4^3}{64} \mid \frac{4^2}{16} \mid \frac{4^1}{4} \mid \frac{4^0}{1}$$

\* Nilai digit = Digit itu  $\times$  Nilai tempatnya.

$59_{10}$   $\rightarrow$  asas 6.

$$\begin{array}{r} 6 \overline{) 59} \\ \underline{6 \phantom{0}} \phantom{0} \\ 6 \phantom{0} \phantom{0} \phantom{0} \\ \underline{6 \phantom{0} \phantom{0}} \phantom{0} \\ 0 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

$$59_{10} = 122_6$$

\* Asas 2  $\Leftrightarrow$  Asas 8, [ kira dlm kumpulan 3 digit 4 2 1 ]

$$101111_2 = 57_8$$

$$\begin{array}{r} 101 \phantom{111} \\ \underline{421 \phantom{421}} \\ 421 \phantom{421} \end{array}$$

$$\begin{array}{l} 4+0+1 = 5 \\ 4+2+1 = 8 \end{array}$$

$$703_8$$

$$11100011_2$$

$$\therefore 703_8 = 11100011_2$$

► Operasi Tambah Tolak

$$\begin{array}{r} 111 \\ 247_8 \\ + 536_8 \\ \hline 1005_8 \end{array}$$

Kaku asas 10,  
kita tolak 10,  
maka asas 8,  
kita tolak 8.

$$13_{10} = 15_8$$

$$\begin{array}{r} 3 \text{ (9)} \\ \cancel{4} 305_9 \\ - 1702_9 \\ \hline 2503_9 \end{array}$$

instead of 10,  
kita letak 9.

$$\begin{array}{r} 1 \text{ (2)} \\ 1 \times 00_2 \\ - \phantom{1} 11_2 \\ \hline 1001_2 \end{array}$$

instead of 10,  
kita letak 2.