

Tukarkan nombor perdua yang berikut kepada nombor perlapan menggunakan kaedah pengiraan. **TP 3**

(a) $1010110110_2 = \underline{\hspace{2cm}}_8$

Nombor perdua			1	0	1	0	1	1	0	1	1	0
Kumpulan tiga digit												
Nilai tempat	2^2	2^1	2^0	2^2	2^1	2^0	2^2	2^1	2^0	2^2	2^1	2^0
Hasil darab	0×4	0×2	1×1	0×4	1×2	0×1	1×4	1×2	0×1	1×4	1×2	0×1
Hasil tambah	$0 + 0 + 1 =$			$0 + 2 + 0 =$			$4 + 2 + 0 =$			$4 + 2 + 0 =$		
Nombor perlapan												

(b) $111000101011_2 = \underline{\hspace{2cm}}_8$

Nombor perdua	1	1	1	0	0	0	1	0	1	0	1	1
Kumpulan tiga digit												
Nilai tempat	2^2	2^1	2^0	2^2	2^1	2^0	2^2	2^1	2^0	2^2	2^1	2^0
Hasil darab	1×4	1×2	1×1	0×4	0×2	0×1	1×4	0×2	1×1	0×4	1×2	1×1
Hasil tambah	$4 + 2 + 1 =$			$0 + 0 + 0 =$			$4 + 0 + 1 =$			$0 + 2 + 1 =$		
Nombor perlapan												

(c) $10101001111_2 = \underline{\hspace{2cm}}_8$

Nombor perdua		1	0	1	0	1	0	0	1	1	1	1
Kumpulan tiga digit	0	1	0	1	0	1	0	0	1	1	1	1
Nilai tempat	2^2	2^1	2^0	2^2	2^1	2^0	2^2	2^1	2^0	2^2	2^1	2^0
Hasil darab	$\times 4$	$\times 2$	$\times 1$	$\times 4$	$\times 2$	$\times 1$	$\times 4$	$\times 2$	$\times 1$	$\times 4$	$\times 2$	$\times 1$
Hasil tambah	$0 + 0 + 0 =$			$4 + 0 + 1 =$			$0 + 0 + 1 =$			$4 + 2 + 1 =$		
Nombor perlapan												