

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

(a) $1010110110_2 = \underline{\hspace{2cm}}_{1266_8}$

Nombor perdua			1	0	1	0	1	1	0	1	1	0
Kumpulan tiga digit	0	0	1	0	1	0	1	1	0	1	1	0
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	$0 + 0 + 1 = 1$			$0 + 2 + 0 = 2$			$4 + 2 + 0 = 6$			$4 + 2 + 0 = 6$		
Nombor perlapan	1			2			6			6		

(b) $111000101011_2 = \underline{\hspace{2cm}}_{7053_8}$

Nombor perdua	1	1	1	0	0	0	1	0	1	0	1	1
Kumpulan tiga digit	1	1	1	0	0	0	1	0	1	0	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	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	$4 + 2 + 1 = 7$			$0 + 0 + 0 = 0$			$4 + 0 + 1 = 5$			$0 + 2 + 1 = 3$		
Nombor perlapan	7			0			5			3		

(c) $10101001111_2 = \underline{\hspace{2cm}}_{2517_8}$

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	0×4	1×2	0×1	1×4	0×2	1×1	0×4	0×2	1×1	1×4	1×2	1×1
Hasil tambah	$0 + 2 + 0 = 2$			$4 + 0 + 1 = 5$			$0 + 0 + 1 = 1$			$4 + 2 + 1 = 7$		
Nombor perlapan	2			5			1			7		