

BINARY TO DECIMAL CONVERSION

$1101_2 = \underline{\hspace{2cm}}$

$$(2^3 \times \underline{\hspace{1cm}}) + (2^2 \times \underline{\hspace{1cm}}) + (2^1 \times \underline{\hspace{1cm}}) + (2^0 \times \underline{\hspace{1cm}})$$

$$= \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$= \underline{\hspace{2cm}}_{10}$$


$$1001_2 = \underline{\hspace{2cm}}$$

$$(2^3 \times \underline{\hspace{1cm}}) + (2^2 \times \underline{\hspace{1cm}}) + (2^1 \times \underline{\hspace{1cm}}) + (2^0 \times \underline{\hspace{1cm}})$$

$$= \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$= \underline{\hspace{2cm}}_{10}$$

$$1110_2 = \underline{\hspace{2cm}}$$

$$(2^3 \times \underline{\hspace{1cm}}) + (2^2 \times \underline{\hspace{1cm}}) + (2^1 \times \underline{\hspace{1cm}}) + (2^0 \times \underline{\hspace{1cm}})$$

$$= \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$= \underline{\hspace{2cm}}_{10}$$