



(a) The place values for 10110 (bin).

$$\begin{array}{rcl}
 0 & 1\text{'s place} & = 0 \\
 1 & 2\text{'s place} & = 2 \\
 1 & 4\text{'s place} & = 4 \\
 0 & 8\text{'s place} & = 0 \\
 1 & 16\text{'s place} & = 16 \\
 \hline
 & & 22 \text{ (dec)}
 \end{array}$$

(b) Converting 10110 (bin) to decimal.