

$$10100011 = -$$

$$\begin{array}{ccccccc} & 6 & 5 & 4 & 3 & 2 & 1 & 0 \\ 0 & 1 & 2 & 1 & 2 & 1 & 2 & 0 & 1 & 1 \end{array}$$

$$01011100$$

(الف)

سوال 3:

+4

$$64 + 16 + 8 + 4 + 0 = 92$$

$$-92 = 10100011$$

$$10100011 = -93$$

$$\begin{array}{r} 10100111 \\ 2 \end{array}$$

$$\begin{array}{ccccccc} & 6 & 5 & 4 & 3 & 2 & 1 & 0 \\ 0 & 1 & 2 & 1 & 2 & 1 & 2 & 0 & 1 & 1 \end{array}$$

$$01011101$$

(ب)

+4

$$10100011 \cdot 2^3 + 2^4 / \frac{3}{8} = 10.375$$

+1

-5

(ج)

10.1875

$$1010.0011 \rightarrow -$$

(د)

$$2 \text{ times } 0101.1101 = 5 + \frac{11}{8} = 5 + 1.375$$

+1

$$-6.375$$

-5

-5.8125