

- 3 (a) Calculate the denary value of the 8-bit binary number 10010111. You must show your working.

.....

[2]

- (b) Add the following two 8-bit binary numbers **and** explain the result. You must show your working.

$$\begin{array}{rcccccccc} & 1 & 0 & 0 & 1 & 0 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 1 & 1 & 0 & 0 & 0 \\ \hline & & & & & & & & \\ \hline \end{array}$$

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..... [3]