

අමල් H. ශ්‍රේෂ්ඨය

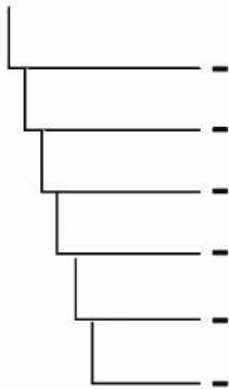
ICT

Grade 8

English Medium

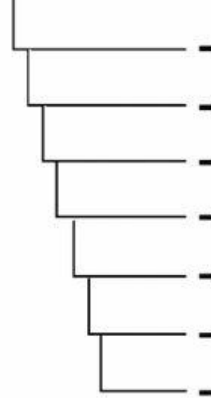
1. Convert the Following Decimal values into Binary

I. 126_{10}



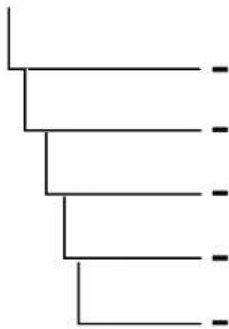
$126_{10} =$

II. 242_{10}



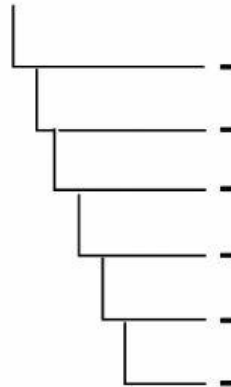
$242_{10} =$

III. 35_{10}



$35_{10} =$

IV. 89_{10}



$89_{10} =$

2. Convert the Following Binary Values into Decimal

I. 1101_2

$$\begin{array}{cccc} (2^3 \times _) + (2^2 \times _) + (2^1 \times _) + (2^0 \times _) \\ (\times) + (\times) + (\times) + (\times) \\ + \quad \quad + \quad \quad + \end{array}$$

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II. 1001_2

$$\begin{array}{cccc} (2^3 \times _) + (2^2 \times _) + (2^1 \times _) + (2^0 \times _) \\ (\times) + (\times) + (\times) + (\times) \\ + \quad \quad + \quad \quad + \end{array}$$

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III. 11010_2

$$\begin{array}{ccccc} (2^4 \times _) + (2^3 \times _) + (2^2 \times _) + (2^1 \times _) + (2^0 \times _) \\ (\times) + (\times) + (\times) + (\times) + (\times) \\ + \quad \quad + \quad \quad + \quad \quad + \end{array}$$

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