|  |  |  |
| --- | --- | --- |
| DECIMAL | BINARY CONVERSION | CORRECT? |
| 123 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 156 |

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| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

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| 84 |

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| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 37 |

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| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

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| 255 |

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| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 12 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
| 0 | 1 | 0 | 1 |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
| 0 | 1 | 0 | 1 |

 |  |
| 22 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 191 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 243 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 16 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 178 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 92 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |
| 46 |

|  |  |  |  |
| --- | --- | --- | --- |
| 128 | 64 | 32 | 16 |
|  |  |  |  |

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|  |  |  |  |
| --- | --- | --- | --- |
| 8 | 4 | 2 | 1 |
|  |  |  |  |

 |  |

**More Binary Numbers**

This works exactly the same way as the smaller numbers, only now you have a larger grid to work with. **Example: 124 = 0-1-1-1-1-1-0-0**

Each number (**0** or **1**) is called a ‘**bit**’ short for ‘binary digit’. Each block of 4 bits is called a “**nybble**”. Each block of 8 bits is called a “**byte**”.

NAME and CLASS:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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TOTAL OUT OF 12: