

Unit 0: Introduction

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1 Numbering Systems

Generally we will work in 4 numbering systems:

- Decimal (base 10): notation x_{10}
- Binary (base 2): notation x_2
- Octal (base 8): notation x_8
- Hexadecimal (base 16): notation x_{16}

The **binary** system is used for computers since digital/electronic signals can only be on (1) or off (0).