# Binary Coded Decimal Worksheet

1. Convert the following numbers into binary coded decimal.

    1. 45 _____
    2. 527 _____
    3. 1024 _____
    4. 12:35 _____

2. Convert the follow BCD values to denary

    1. 00110101      _____
    2. 01010101      _____
    3. 01101001      _____

3. The following time has been encoded in BCD. What time is it?

0000 1011 0010 0101 _____

4. Describe, using an example, why binary coded decimal is commonly used in financial systems instead of pure binary.
_____
_____
_____
_____
_____
_____

5. The time is currently 09:59. Describe what would happen to each of the binary nibbles when the time changes to the next minute.

_____
_____
_____
_____
_____