Name _____     Date _____

# Binary → Decimal Conversion

For each '1' digit in the binary number, add the number at the top of the column.

| 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 | Decimal |
|---|---|---|---|---|---|---|---|---|
| | **Binary** | | | | | | | **Decimal** |
| | 1 | 1 | 0 | 1 | 0 | 1 | 0 | **106** |
| | | | | | | | | *64 + 32 + 8 + 2 = 106* |
| | | | | | 1 | 0 | 0 | _____ |
| | | | | 1 | 0 | 1 | 0 | _____ |
| | | 0 | 1 | 0 | 1 | 0 | 1 | _____ |
| | | | | 1 | 1 | 1 | 1 | _____ |
| | | | 0 | 0 | 1 | 1 | 0 | _____ |
| | | 1 | 0 | 1 | 0 | 1 | 0 | _____ |
| | | | 1 | 1 | 1 | 1 | 0 | _____ |
| | 1 | 0 | 1 | 0 | 0 | 1 | 0 | _____ |
| | 1 | 1 | 1 | 0 | 0 | 0 | 1 | _____ |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | _____ |
| | | 1 | 1 | 0 | 1 | 0 | 0 | _____ |
| 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | _____ |
| | 1 | 1 | 0 | 1 | 1 | 1 | 0 | _____ |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | _____ |