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$$1-101101_2 = (1 \times 2^5) + (0 \times 2^4) + (1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (1 \times 2^0) = 32 + 0 + 8 + 4 + 0 + 1 = 45_{10}$$

$$2-3456_8 = (3 \times 8^3) + (4 \times 8^2) + (5 \times 8^1) + (6 \times 8^0) = 1536 + 256 + 40 + 6 = 1838_{10}$$

$$3-(1F3)_{16} = 1=1 \quad F=15 \quad 3=3 \\ (1 \times 16^2) + (15 \times 16^1) + (3 \times 16^0) = 256 + 240 + 3 = 499 \\ (1F3)_{16} = (499)_{10}$$

$$4-56_{10} = (111000)_2$$

Handwritten division steps for converting 56 to binary:

$$\begin{array}{r} 56 \div 2 = 28 \text{ remainder } 0 \\ 28 \div 2 = 14 \text{ remainder } 0 \\ 14 \div 2 = 7 \text{ remainder } 0 \\ 7 \div 2 = 3 \text{ remainder } 1 \\ 3 \div 2 = 1 \text{ remainder } 1 \\ 1 \div 2 = 0 \text{ remainder } 1 \end{array}$$

The final binary result is 111000, with an arrow pointing to the 0 in the original image.

$$5-(127)_8 = 1 \times 8^2 = 1 \times 64 = 64 \\ 2 \times 8^1 = 2 \times 8 = 16 \\ 7 \times 8^0 = 7 \times 1 = 7$$

$$64 + 16 + 7 = 87 \\ (127)_8 = (87)_{10}$$