

Convert the following numbers to decimal.

a) 154_6

$$(1 \times 6^2) + (5 \times 6^1) + (4 \times 6^0) = 36 + 30 + 4 = 70_{10}$$

b) $3EB_{16}$

$$(3 \times 16^2) + (14 \times 16^1) + (11 \times 16^0) = 768 + 224 + 11 = 1003_{10}$$

c) 132_4

$$(1 \times 4^2) + (3 \times 4^1) + (2 \times 4^0) = 16 + 12 + 2 = 30_{10}$$

d) 11001_2

$$25_{10}$$