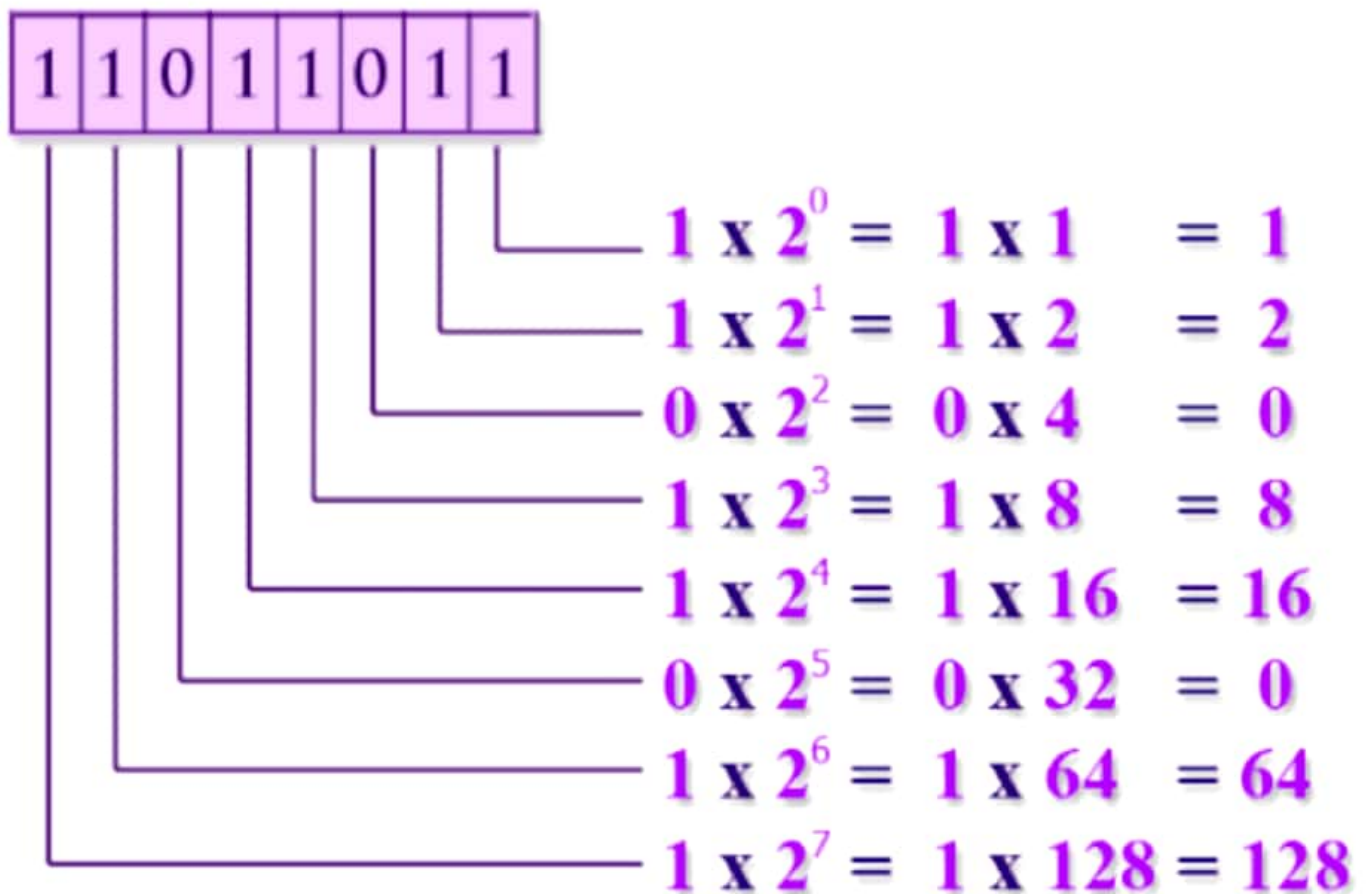


Dr. Mohammad Aslam, Dept. Of  
physics B.Sc. part-2 physics (Hons)  
paper-iv lecture no-60

Topic: Binary to decimal  
conversion



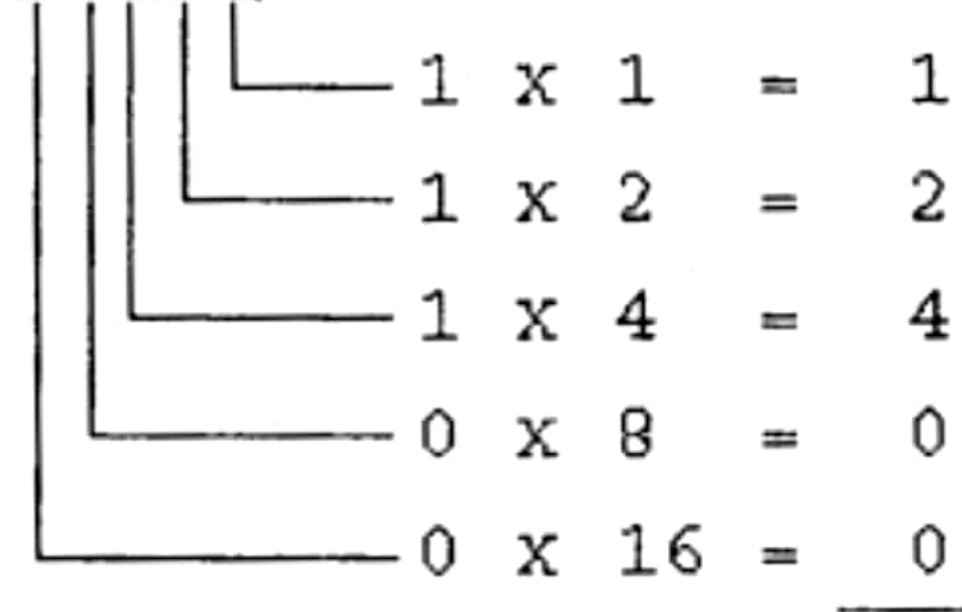
$$1 + 2 + 8 + 16 + 64 + 128 = 219$$

$$(11011011)_2 = (219)_{10}$$

Q. Convert following binary numbers in decimal equivalents.

(a) 00111 (b) 01011 (c) 10100 (d) 11011

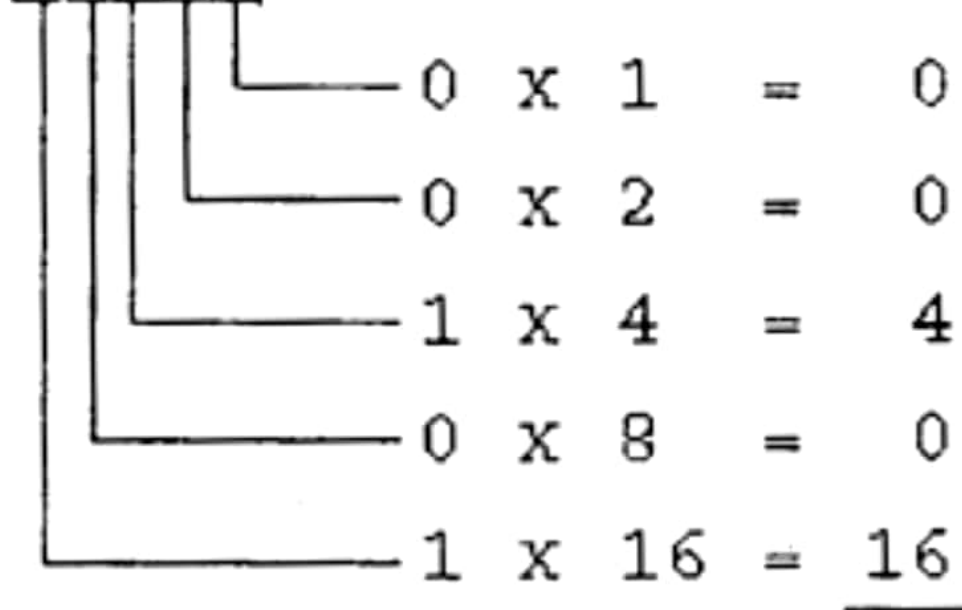
00111



(a)

**Answer:** 00111 = 7

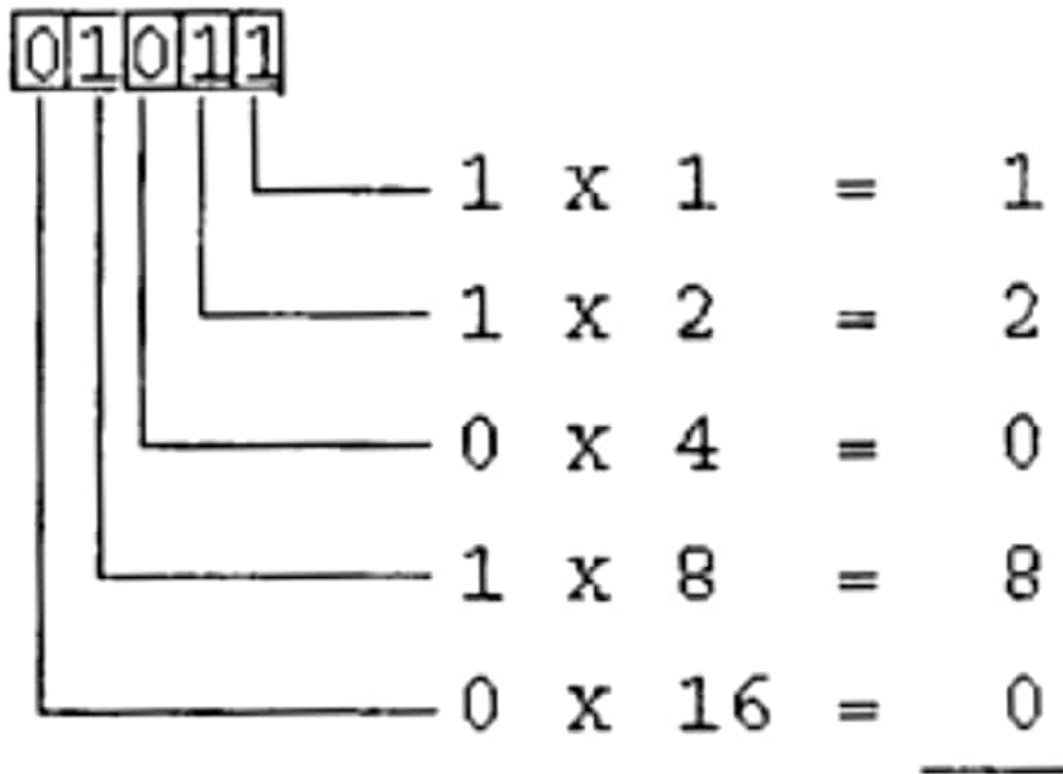
10100



(b)

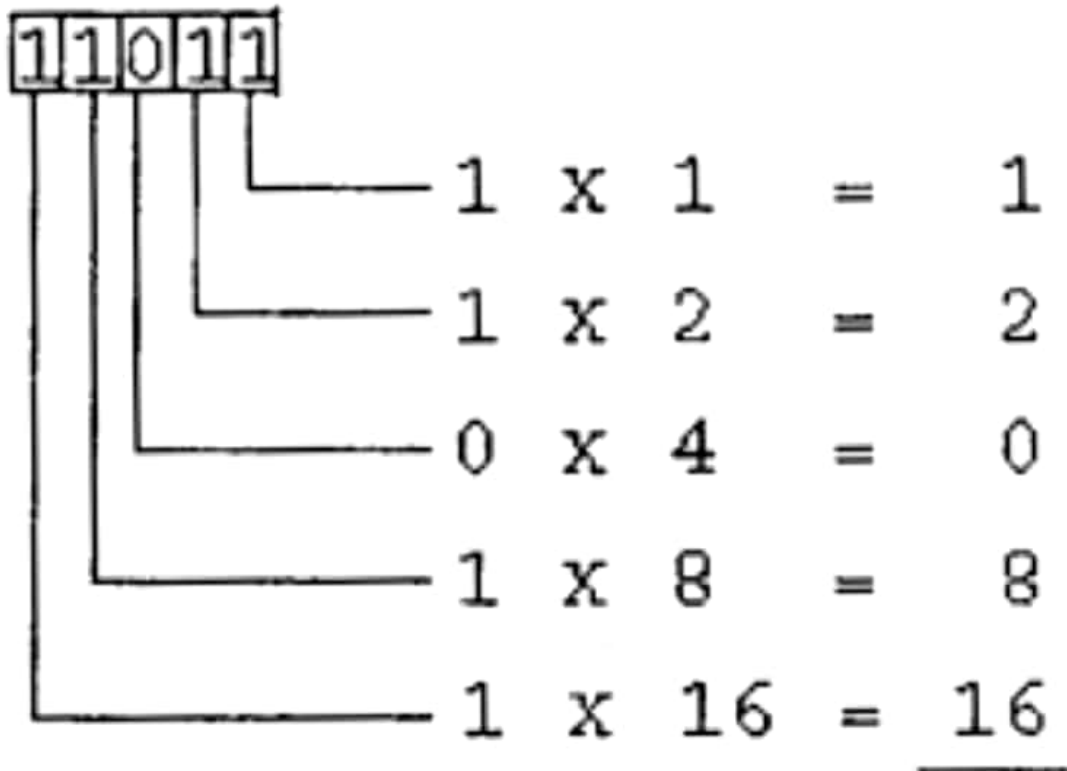
**Answer:** 10100 = 20

(c)



**Answer:** 01011 = 11

(d)



**Answer:** 11011 = 27

