

convert number 1111012 = ?16 Step 1: Divide the binary digits into groups of four starting from the right
0011 1101 Step 2 Convert each group into a hexadecimal digit 00112 = $0 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0 = 3$
1101 = $1 \times 2^3 + 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0 = 13$ 10 = 1316 Converting Binary Number to Hexadecimal
Number Data Communications ?Data communications are the exchange of data between two devices
via some form of transmission medium such as a wire cable or wireless. ?Delivery -> Correct destination
?Accuracy -> Accurate data ?Timeliness -> Real-time transmission Data Communications ?In simplex
transmission, mode communication can take place in only one direction ?An example is TV, Waves we
can watch different channels on TV but there is no need to send any type of signals from TV. Another
example is line printer ?Telecommunication refers to long-distance communication. The term data refers
to information displayed in any way that the parties creating and using the data agree on. ?Full-duplex
Data Transmission Modes ?There are three modes of communication ?It means the sender will always
send & the receiver will always receive ?A half-duplex system can transmit data in both directions but only in
one direction at a time ?Text ?Images ?Audio ?Simplex ?Half-duplex ?Simplex ?Half-Duplex
? ? ?Numbers ?Video Data flow