

Your name:

1. Suppose a host sends an IP datagram of size 1520B across an Ethernet with MTU (maximum payload size) of 1500B.

(a) Will the datagram be fragmented? If so, how many fragments will actually be sent? Yes, 2.

(b) Tell me the size of each fragment. By size, I mean the value in the IP header size field, which is the size of the header plus data. 1500, 40

2. In datagram fragments the offset field is set to the actual offset divided by 8. Why? The offset field is three bits shorter than the length field.