Q24. A system manages files by allocating file storage on a block-by-block basis, where each block consists of eight 500-byte sectors.   How many sectors in total are required to store two files: one with 2,000 bytes and the other with 9,000 bytes?   Here, sectors for management information such as directories can be ignored.

a) 22   b) 26   c) 28   d) 32