

132. A store has 80 modems in its inventory, 30 coming from Source A and the remainder from Source B. Of the modems from Source A, 20% are defective. Of the modems from Source B, 8% are defective.

Calculate the probability that exactly two out of a random sample of five modems from the store's inventory are defective.

- (A) 0.010
- (B) 0.078
- (C) 0.102
- (D) 0.105
- (E) 0.125