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| **Topic 4: Statistics and Probability** | **Binomial Distributions** | | |
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| 1. The probability of obtaining tails on a biased coin is 0.32. The coin is tossed 9 times.     1. Find the probability of obtaining exactly 3 tails.    2. Find the probability of obtaining at least 3 tails. | | | (3 marks)  (3 marks) |
| Mark scheme:   1. Evidence of using binomial probability 2. Evidence of using the complement or finding the sum of the probabilities | | (M1)  (A1)   (A1)   (M1)   (A1) (A1) | |