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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) |