



Maths Questions By Topic:

Statistical Distributions

A-Level Edexcel

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7. The discrete random variable $X \sim B(30, 0.28)$

Find $P(5 \leq X < 12)$.

(2)

(Total for Question 7 is 2 marks)

8. The discrete random variable $X \sim B(40, 0.27)$

Find $P(X \geq 16)$

(2)

(Total for Question 8 is 2 marks)

11. Dian uses the large data set to investigate the Daily Total Rainfall, r mm, for Camborne.

Explain why the distribution $B(14, 0.27)$ might **not** be a reasonable model for the number of days without rain for a 14-day summer event.

(1)

(Total for Question 11 is 1 mark)

