



Core Mathematics S2(GCE)

Practice Question 5

Standard **A**★

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**CRITICAL THINKING IS THE KEY TO SOLVE REAL WORLD PROBLEMS.
CHILDREN MUST BE TAUGHT HOW TO THINK, NOT WHAT TO THINK.
A GREAT TEACHER WILL BE CREATING STUDENTS TO DO NEW THINGS
THROUGH CRITICAL THINKING, NOT SIMPLY REPEATING WHAT OTHER
GENERATIONS HAVE DONE BEFORE. WE DO NOT NEED ANOTHER
ALBERT EINSTEIN OR ISAAC NEWTON.... WE NEED A PERSON BETTER
THAN THEM.**

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Question:

A string of length 250 cm is cut at a randomly chosen point. Find the probability that

- (a) The longer piece will have length greater than 240 cm. (1 mark)
- (b) The shorter piece will have length greater than 240 cm. (2 marks)
- (c) The length of the longer piece will be at least four times the length of the shorter piece. (4 marks)
- (d) Given that the longer piece is at least 175 cm. Find the probability that the shorter piece at least 50 cm. (4 marks)

For the answers please contact:

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Traditional or Online classes

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