



Core Mathematics S2(GCE)

Practice Question 3

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 special fair die has six faces numbered 1, 1, 3, 6, 6 and 9. This die is rolled and the number showing on the uppermost face is recorded.

- (a) Find the probability of obtaining exactly six in a throw. (1 mark)
- (b) Find the probability of obtaining exactly four sixes in seven throws. (4 marks)
- (c) Find the probability of obtaining four sixes twice in six throws of seven dice. (5 marks)

Traditional or Online classes

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