

- 6 (a)** Find how many numbers between 3000 and 5000 can be formed from the digits 1, 2, 3, 4 and 5,
(i) if digits are not repeated, [2]

- (ii) if digits can be repeated and the number formed is odd. [3]

- (b) A box of 20 biscuits contains 4 different chocolate biscuits, 2 different oatmeal biscuits and 14 different ginger biscuits. 6 biscuits are selected from the box at random.

(i) Find the number of different selections that include the 2 oatmeal biscuits. [2]

[illegible]

(ii) Find the probability that fewer than 3 chocolate biscuits are selected. [4]

This image shows a full page of white paper with ten horizontal dashed lines, typical of primary school handwriting practice paper. The lines are evenly spaced and extend across the width of the page. There is no text or other markings on the paper.