two dice is shown below.

Sum	2	3	4	5	6	7	8	9	10	11	12
Prob	1/36	а	3/36	4/36	b	7/36	5/36	С	3/36	2/36	1/36

Find the value of a, b, and c.

die is the number which lands face up.

1. Two fair 6-sided dice, one blue and one yellow, are thrown. For

(a) List the pairs of scores that give a sum of 4.

each die, the faces are labelled 1, 2, 3, 4, 5, 6. The score for each

(b) The probability distribution for the sum of the scores on the

Mark scheme:

(a) (1, 3), (2, 2), (3, 1) (A1)(A1)

(b) $a = \frac{2}{36}$	(A1)
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$$b = \frac{5}{36} \tag{A1}$$

$$c = \frac{4}{36} \tag{A1}$$

1

(3 marks)

(3 marks)

Roll the Dice/Tossing Dice

Topic 4: Statistics and Probability