Dice combinations III

This task is about finding all the possible combinations of outcomes for throwing two dice.



a) When two dice are thrown there are 36 different combinations of numbers possible on the top faces of the two dice. Complete these tables, giving all the possible combinations when two dice are thrown.

Number on First Dice	Number on Second Dice	Number on First Dice	Number on Second Dice	Number on First Dice	Number on Second Dice
1	1	3		5	
1	2	3		5	
1	3	3		5	
1		3		5	
1		3		5	
1		3		5	
2		4		6	
2		4		6	
2		4		6	
2		4		6	
2		4		6	
2		4		6	

b) Using the table, list all the combinations that add up to a total of 8.

i) ____and ____ ii) ____and ____ iii) ____and ____

iv) ____ and ____

v) ____ and ____

- c) List all the combinations that add up to a total of 11.
 - i) ____ and ____ ii) ____ and ____
- d) Two dice are thrown. What is the **probability** that the combination adds up to a total of 8 or 11?

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