

Scrabble

This task is about probability in a game of scrabble.

Sarah is playing Scrabble with her family. There are three letters left **face down** for Sarah to pick up on her next turn.

The number written next to the letter tells you how many points it is worth in the game.



- a) What is the probability that if she picks up only **one** letter it will be
- i) the letter "I"? _____
 - ii) worth one point? _____
- b) What is the probability that if she picks up **two** letters
- i) they will be worth a total of 6 points? _____
 - ii) she could arrange them to spell the word "IN"? _____