4 Richard has 3 blue candles, 2 red candles and 6 green candles. The candles are identical apart from their colours. He arranges the 11 candles in a line.

(a) Find the number of different arrangements of the 11 candles if there is a red candle at each end.

[2]

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(b) Find the number of different arrangements of the 11 candles if all the blue candles are together and the red candles are not together.

[4]

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