



6. A bag contains hundreds of glass marbles, each one coloured either red, orange, green or blue. There are more than 2 marbles of each colour. Marbles are drawn randomly from the bag, one at a time, and not replaced. How many marbles must be drawn from the bag in order to ensure at least three marbles of the same colour are drawn?
- A 4                      B 7                      C 9                      D 12                      E 13

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6. C If at most two marbles of each colour are chosen, the maximum number we can choose is 8, corresponding to 2 of each. Therefore, if 9 are chosen, we must have at least 3 of one colour, but this statement is not true if 9 is replaced by any number less than 9.