- **26.** A competition has a first prize, a second prize and a third prize. 10 competitors enter this competition and the 3 prizes are awarded in order of merit.
 - (i) Find the number of different ways in which these prizes could be won. Smith and Jones are 2 of the 10 competitors. Find the number of different ways in which the prizes could be won if
 - (ii) neither Smith nor Jones wins a prize
 - (iii) each of Smith and Jones wins a prize.

(i) no prices?

(ii) neather
$$S_{mith}$$
 nor Jones?

(iii) Shaith and Jones wins a perize?

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