Hanna buys 12 hollow chocolate eggs that each contain a sweet. The eggs look identical but Hanna knows that 3 contain a red sweet, 4 contain an orange sweet and 5 contain a yellow sweet. Each of Hanna's three children in turn randomly chooses and eats one of the eggs, keeping the sweet it contained.

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<b>(b)</b>	Find the probability that all 3 eggs chosen contain a yellow sweet, given that all three children have the same colour sweet. [2]
(c)	Find the probability that at least one of Hanna's three children chooses an egg that contains an orange sweet. [3]