

**Dr Oliver Mathematics**  
**Worked Examples**  
**Probability 6**

**From:** Edexcel GCSE Mathematics (9-1) Practice Tests Set 10: Paper 2H/3H (Calculator)

1. Hannah has a bag that only contains yellow sweets and orange sweets. (5)  
Hannah takes at random 2 sweets from the bag.

The probability that Hannah takes exactly 1 yellow sweet from the bag is  $\frac{12}{35}$ .

Originally there were 3 yellow sweets in the bag.

Work out how many orange sweets there were originally in the bag.  
Show your working clearly.