

Question #124

Key: D

Since each time the probability of a heavy scientist is just half the probability of a success, the distribution is binomial with $q = 0.6 \times 0.5 = 0.3$ and $m = 8$.

$$f(2) = \binom{8}{2} \times (0.3)^2 \times (0.7)^6 = 0.30$$