Vivian Chary

$$
640: 437: 01
$$

Howe world (9
(1) Cal 11 times
(b) $\left(\frac{5}{6}\right)^{10} \rightarrow 1-\left(\frac{5}{6}\right)^{c 0}=0.83849$
(C) $1-\left(\frac{5}{6}\right)^{n}$
(2) $\binom{n}{k}=\frac{n!}{k(n-(c)!}$

In this firmille, as we select more objects, the number of total objects essen by one. We then can multiply all of treen together wing the product use of pubability
(3) $\binom{n}{k} p^{k}(1-p)^{n-k .}$
we can see that the pohability of finding $k$ heads is shown as " $p$ " and is multiplied by $k$ tres. The remaingy bunch of flips sound be dented as $k-1$, which is fir $(p-1)$, which is fir tries.

