



# Binomial Distribution



1.
  - i.  $\frac{25}{72}$
  - ii.  $\frac{5}{72}$
  - iii.  $\frac{1}{216}$
  - iv.  $\frac{91}{216}$
2.
  - i. 0.16807
  - ii. 0.36015
  - iii. 0.47178
3.
  - i. 0.01177
  - ii. 0.23549
4.
  - i.  $\frac{1}{1024}$
  - ii.  $\frac{53}{512}$
5.
  - i.  $\frac{256}{3125}$
  - ii.  $\frac{1024}{3125}$
  - iii.  $\frac{256}{625}$
  - iv.  $\frac{821}{3125}$
6.
  - i. 0.05631
  - ii. 0.146
  - iii. 0.756
7.
  - i. 0.3771
  - ii. 0.6229
8. Proof
9. 0.0299
10.  $\frac{3}{16}$
11.
  - i. 0.59
  - ii. 0.02





12. 0.0335

13. 0.08

14.  $n = 3$

15.  $n = 26$

Leamy Maths Community

