

HANDOUT

Probability that ~~at least~~ at least two people in a classroom with N people have the same birthday

1	0%
2	0.274%
3	0.82%
4	1.64%
5	2.71%
6	4.05%
7	5.62%
8	7.43%
9	9.46%
10	11.69%
11	14.11%
12	16.7%
13	19.44%
14	22.31%
15	25.29%
16	28.36%
17	31.5%
18	34.69%
19	37.91%
20	41.14%
21	44.37%
22	47.57%
23	50.73%
24	53.83%
25	56.87%
26	59.82%
27	62.69%
28	65.45%
29	68.1%

30	70.63%
31	73.05%
32	75.33%
33	77.5%
34	79.53%
35	81.44%
36	83.22%
37	84.87%
38	86.41%
39	87.82%
40	89.12%
41	90.32%
42	91.4%
43	92.39%
44	93.29%
45	94.1%
46	94.83%
47	95.48%
48	96.06%
49	96.58%
50	97.04%