

1.  $\frac{1}{2}$
2. (a)  $\frac{6}{18}$  or  $\frac{1}{3}$       (b)  $\frac{12}{18}$  or  $\frac{2}{3}$       (c)  $\frac{5}{18}$
3. (a)  $\frac{9}{36}$  or  $\frac{1}{4}$       (b)  $\frac{6}{30}$  or  $\frac{1}{5}$
4. 0.90307 or approximately 0.9
5. (a)  $\frac{5}{16}$       (b)  $\frac{7}{24}$
6. 40
7.  $\frac{1}{128}$
8. (a)  $\frac{60}{2730}$  or  $\frac{2}{91}$       (b)  $\frac{210}{2330}$  or  $\frac{1}{13}$
9. 28 ways
10. 100
11. 15
12. 6,760,000
13. (a)  $P(A) = \frac{3}{8}$       (b)  $P(B) = \frac{5}{8}$
14.  $\frac{7}{12}$
15.  $\frac{3}{33}$  or  $\frac{1}{11}$
16. \$2.00
17. Answers vary, for example, let the numbers 01, 02, 03, 04, 05, . . . , 29, 30 represent the dates of the month. Pick a starting place and mark off blocks of two until three of the blocks are obtained.