

4.

# of LAWS	FREQ	PROB.
0-100	2	$2/52 = .038$
101-200	10	$10/52 = .192$
201-400	15	$15/52 = .288$
OVER 400	<u>25</u>	$25/52 = .482$
	52	

REAL LIFE

$$\frac{2550}{5000} = 0.51$$

THEORY

$$\frac{1}{2} = 0.5$$

5.

$$\frac{100}{700} = \textcircled{.1429}$$

$$= 14.29\%$$

6. 5 BLUE
3 RED
7 GREEN
10 BLACK

a) $P(\text{BLACK}) = \frac{10}{25} = \textcircled{.40}$

b) $P(\text{BLUE}) = \frac{5}{25} = \textcircled{.20}$

7. a) $\frac{12}{365} = \textcircled{.0329}$

b) $\frac{31}{365} = \textcircled{.0849}$

c) $\frac{7}{365} = \textcircled{.0192}$

8. a) $\frac{13}{52} = \textcircled{.25}$

b) $\frac{4}{52} = \textcircled{.0769}$

c) $\frac{26}{52} = \textcircled{0.5}$