Ь.	R	γ	В	_
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	-T-	1.	-	/
	τ	Н	Н	>
	- 11	T	T	(
	11	<u></u>	H	\
	-14	Ŋ	-	. \
	H	Н	H)

\$ probability of each event occurring

d. <u>outcome</u>	probability
0 H	18
HI	3
2 H	3 8
3 H	1 8

e.
$$\frac{1}{4} + \frac{1}{4} = \frac{1}{2}$$

f.
$$P(E_{\text{ven}} \# H) = \frac{1}{8} + \frac{3}{8} = \frac{4}{8} = \frac{1}{2}$$

In order to be independent, P(AB) = P(A)P(B)A and B are mutally exclusive. $\emptyset \neq \frac{1}{2} = \frac{1}{2}$

2.	٥٠	ΙT	2T	3Т	47	5Т	GT
		41	2H	3H	ΗÞ	5H	GH

H	1	2	3
T	4	5	G

c.
$$P(A) = (\frac{1}{12}) = \frac{1}{2}$$

 $P(B) = 3(\frac{1}{12}) = \frac{1}{4}$
 $P(A \cap B) = P(AB) = P(A)P(B)$
 $P(A \cap B) = \frac{1}{2} \cdot \frac{1}{4} = \frac{1}{8}$

These two events are statistically independent, because knowledge of A gives no additional knowledge of B.

3. a. $\frac{1}{4}$ b. $\frac{1}{13}$

0. 13			
		4	

4 a.	loka	loka	20 k.n.	20 km]5 Ka
	loka	10km	20 K.a.	20 K.a.	15 K.a.
	20 K.a.	20 n	20.2	20 kg	15 k.a.

- b. %15 c. 715