<b>Practice 9-4</b> Compound Events Each letter in the word MASSACHUSETTS is written on a card. The cards are placed in a basket. Find each probability.			
<b>1.</b> What is the probability of selecting two S's if the first card is replaced before selecting the second card?		2.	What is the probability of selecting two S's if the first card is not replaced before selecting the second card?
You roll a fair numbe	r cube. Find each probabil	lity.	
<b>3.</b> <i>P</i> (3, then 5)		4.	<i>P</i> (2, then 2)
<b>5.</b> $P(5, \text{then } 4, \text{then})$	6)	6.	<i>P</i> (6, then 0)
0 0	oys are running for preside il. Find each probability.	ent or vi	ice president
<b>7.</b> Find the probabilities elected.	lity that two boys are	8.	Find the probability that two girls are elected.
	lity that the president vice president is a girl.	10.	Find the probability that the president is a girl and the vice president is a boy.
ball. She records its n	alls, numbered 1 through 1 umber and then returns it Find each probability.		(9)
<b>11.</b> <i>P</i> (9, then 3)		12.	P(even, then odd)
<b>13.</b> <i>P</i> (odd, then 2)		14.	P(the sum of the numbers is 25)
<b>15.</b> <i>P</i> (prime, then con	<b>15.</b> $P(\text{prime, then composite})$		P(a  factor of  8,  then a multiple of  2)

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

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