Name: \_\_\_\_\_\_ Per: \_\_\_\_

Unit 7 Pra	ctice Test A
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-									
1. Ident	ify whether each described event is independent or d	ependent.	Independent	Dependent					
	A. Selecting 2 toys, given that the first is from the second is from the table.	toy box and the							
	B. Rolling a die and then picking a card from a dec	ck.							
	C. Choosing two students from period 3.								
button-d and then green, pu	choose a shirt from a closet with14 t-shirts, 23 owns, 5 workout shirts, 3 blouses and 7 tank tops, spin a fair spinner that has 5 equal sections (white, urple, orange, and red), what is the probability that get a t-shirt and orange on the spinner?	3. There are 17 sneak of them are chosen wi probability of choosin	thout replacement,						

## Use the two-way frequency table shown below to evaluate problems 4 & 5.

	Marble	Button	Тоу	TOTAL
Red	7	3	15	25
Blue	8	7	5	20
Green	13	5	12	30
TOTAL	28	15	32	75

4. What is the probability that an item selected at random will be blue?	5. What is the probability that an item selected at random will be a button, given that it is red?

## \_\_\_\_\_ Unit 7 Practice Test B

1. Identi	y whether each described event is independent or dependent.	Independent	Dependent
	A. Selecting 5 bags of chips from the pantry.		
	B. Choosing two candies, given that each are from a different bag.		
	C. Choosing 3 cards from the deck, with replacement.		

2. If you choose a card out of a 52-card deck, which has 4	3. There are 2 ducks, 3 geese and 4 swans on a lake. If 2
aces, 36 number cards and 12 face cards, put it back and	birds are chosen without replacement, what is the
then choose another card, what is the probability that you	probability of choosing two swans?
will get an ace and a face card?	

## Use the two-way frequency table shown below to evaluate problems 4 & 5.

	7 - 1					·····	
	AAA	AA	С	D	TOTAL	4. What is the probability that an	5. What is the probability that an
Тоу	6	2	2	1	11	item selected at random will use AA	item selected at random will be a
Remote	2	4	0	0	6	batteries?	toy, given that it uses AAA
Flashlight	0	1	0	2	3		batteries?
TOTAL	8	7	2	3	20		

_	ANSWERS										
			Practice T	est A					Practice T	'est B	
	1.	Independent	Dependent		2. 5.4%		1.	Independent	Dependent		2. 1.8%
	A.	X			3. 4.6%		Α.		X		3. 16.7%
	B.	X			4. 26.7%		B.	X			4. 35.0%
	С.		X		5. 12.0%		С.	X			5. 75.0%

Name: \_\_\_\_\_\_ Per: \_\_\_\_

**Unit 7 Practice Test C** 

1. Identify whether each described event is independent or c	lependent.	Inde	pendent	Dependent
A. Choosing 6 cards from the deck, replacing each	one.			
B. Choosing socks from a drawer and shoes from	the closet.			
C. Spinning a spinner 5 times.				
2. If you choose a card from a 52-card deck, which has 2 red Kings and 2 black Kings, and then flip a coin, what is the probability that you will get a red King and heads?	3. There are 5 soccer and 1 football player. what is the probabilit	If 2 are	chosen wit	hout replacement,

# Use the two-way frequency table shown below to evaluate problems 4 & 5.

	Pizza	Hot Dog	Burger	No Food	TOTAL
Soda	12	10	14	7	43
Water	11	7	10	9	37
No Drink	8	13	11	0	32
TOTAL	31	30	35	16	112

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ц	late problems 4 & 5.	
	4. What is the probability that a customer selected at random bought a soda?	5. What is the probability that a customer selected at random bought pizza, given that he or she bought no drink?

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#### **Unit 7 Practice Test D**

1. Identify whether each described event is independent or d	Independent	Dependent							
D. Choosing 2 marbles from a bag without replace									
E. Selecting 2 different students from the same cla									
F. Choosing an M&M and a Skittle, given that each different bag.	candy was from a								
2. If you choose a shirt from a bag that has 5 red , 7 blue, 3 green and 9 orange shirts and then pick a hat from a closet with 2 black, 11 pink and 7 yellow hats, what is the probability that you will get a red shirt and a black hat?	3. There are 2 toaster chosen without replac choosing two toasters	cement, what is the							

### Use the two-way frequency table shown below to evaluate problems 4 & 5.

		Pizza	Hot Dog	Burger	No Food	TOTAL		4. What is the probability that a customer selected at random	5. What is the probability that a customer selected at random	
	Soda	12	10	14	7	43		bought a burger?	bought a soda, given that he or	
	Water	11	7	10	9	37			she bought a hot dog?	
	No Drink	8	13	11	0	32				
	TOTAL	31	30	35	16	112	]			

 ANSWERS											
Practice Test C						Practice Test D					
	1.	Independent	Dependent		2. 1.9%		1.	Independent	Dependent		2. 2.1%
	А.	X			3. 23.3%		Α.		X		3. 6.7%
Γ	B.	X			4. 38.4%		В.		X		4. 31.3%
	С.	X			5. 25.0%		С.	X			5. 33.3%