Independent and Dependent Events Worksheet	Name: Date:	Section:
1-4. Tell whether the events are deper	ndent or indeper	ndent.
1. One tossed coin landing heads and the n	ext landing tails	
2. Rolling two sixes in a row on a number c	ube	
Drawing a red tile from a bag and then after replacing the first tile	drawing a green	tile
4. Drawing a blue tile from a bag and then replacing the first tile	drawing a red ti	le without
5-7. These problems refer to rolling a with the letters A-H on it. Find each p		
5. P(rolling a 2, spinning an A)		
6. P(rolling an even number, spinning a vowe	ટી)	
7. P(rolling a number less than 3, spinning a	a consonant)	
8-11. Tell whether the events are indepe each probability. There are 5 gray, 4 r marbles in a hat. Show all work.	•	
8. P(red, not green) with replacement		
9. P(navy, white) without replacement		
10. P(gray, gray) with replacement		
11. P(gray, gray) without replacement		

- 12-14. You roll a cube with the numbers 13, 16, 18, 20, 22, and 24 on it. You then spin a spinner which has 6 sections. The letters on the spinner are $E,\,B,\,G,\,K,\,D,\,$ and $H.\,$ Find each probability. Show all work.
- 12. P(G, prime number)
- 13. P(20, K)
- 14. P(not even number, B or D)
- 15-17. Suppose that two M&M's are drawn from a bag of M&M's that contains 5 green M&M's, 8 brown M&M's, 6 red M&M's, 4 orange M&M's and 9 blue M&M's. The first M&M is replaced before the second M&M is drawn. Find each probability. Show all work.
- 15. P(red, blue)
- 16. P(not orange, green)
- 17. P(brown, brown)
- 18-20. Suppose two M&M's are drawn from the bag above. The first M&M is not replaced before the second M&M is drawn. Find each probability. Show all work.
- 18. P(blue, blue)

21. P(red, red)

19. P(brown, not red)

22. Plorange, red, blue, red)

20. P(orange, green)