

Name: _____

Period: _____

Compound Probability

Int 1

Unit 9

There are 14 marbles in a jar. There are 6 green, 3 red, 1 blue, and 4 purple marbles. A marble is taken out and is REPLACED.

1. $P(\text{red and red})$ _____

3. $P(\text{blue, green, and red})$ _____

2. $P(\text{blue and purple})$ _____

4. $P(\text{green, green and purple})$ _____

There are 14 marbles in a jar. There are 6 green, 3 red, 1 blue, and 4 purple marbles. A marble is taken out and is NOT REPLACED.

5. $P(\text{red, blue and red})$ _____

7. $P(\text{green and purple})$ _____

6. $P(\text{blue and green})$ _____

8. $P(\text{red, purple, and purple})$ _____

A shuffled deck of 22 cards is placed face-down on the table. It contains 8 hearts, 3 diamonds, 4 clubs and 7 spades. A card is selected and REPLACED before another card is drawn.

9. $P(\text{heart, diamond and club})$ _____

11. $P(\text{a diamond twice})$ _____

10. $P(\text{spade and heart})$ _____

12. $P(\text{heart, heart and spade})$ _____

A shuffled deck of 22 cards is placed face-down on the table. It contains 8 hearts, 3 diamonds, 4 clubs and 7 spades. A card is selected and NOT REPLACED before another card is drawn.

13. $P(\text{club and heart})$ _____

15. $P(\text{club, club and spade})$ _____

14. $P(\text{a diamond twice})$ _____

16. $P(\text{diamond, club and heart})$ _____