Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mixed Review (wkst 11.11)**

**The table below shows data about 108 pizzas sold in a pizzeria. Each pizza was sold with one topping.**

 

**Find each of the following probabilities if a one topping pizza is picked at random.**

1. Find P(Square)
2. Find P(Mushroom)
3. Find P(Round ∪ Mushroom)
4. Find P(Square ∩ Chicken)
5. Find P(Round ∩ Onion)’

You have a cooler full of drinks, sandwiches and chips. There are 3 different kinds of drinks, 4 different types of sandwiches, and 5 different types of chips.

6. How many possible combinations are there for picking one of each item?



1. Find P(Biology)
2. Find P(Chemistry ∩ Biology)
3. Find P(Chemistry ∪ Biology)
4. Find P(Chemistry)’

**A person rolls two dice, one after the other. Find the probability of the following events.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| + | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |

1. P(even sum) **or** P(less than 4)
2. P(even sum) **or** P(sum of 11)
3. P(doubles) or P(odd sum)

**The following table shows the concession stand sales at a Friday night football game.**

1. If a random person is selected, what is the probability that they ordered a hot dog?



1. If a random person is selected, what is the probability that they got pizza or soda?