**Practice 12.1**

1. a. $≈66\%$

 b. $about 81$

 c. $≈5\%$

 d. $≈15\%$

 e. $≈37\%$

|  |  |  |
| --- | --- | --- |
|  | Less than or equal to 5 | Greater than 5 |
| Frequency | 10 | 26 |
| Probability | 10/36 | 26/36 |

2.

|  |  |  |
| --- | --- | --- |
|  | Prime | Composite |
| Frequency | 15 | 21 |
| Probability | 15/36 | 21/36 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Only one cube shows 2 | Both cubes show the same number | Different numbers and neither is 2 |
| Frequency | 10 | 6 | 20 |
| Probability | 10/36 | 6/36 | 20/36 |

|  |  |  |
| --- | --- | --- |
| **Type of Pizza** | **Frequency** | **Probability** |
| Cheese | 43 | 19.9% |
| Sausage | 56 | 25.9% |
| Pepperoni | 39 | 18.1% |
| Supreme | 28 | 13.0% |
| Other | 31 | 14.4% |
| No Pizza | 19 | 8.9% |
| **TOTAL** | **216** | **100.2%****(round off error)** |

3.

100%

91.1%

8.9%

Pizza

No Pizza

30%

20%

10%

cheese

no pizza

other

supreme

pepperoni

sausage

 e. the sum of each probability distribution is about 100%