Name:

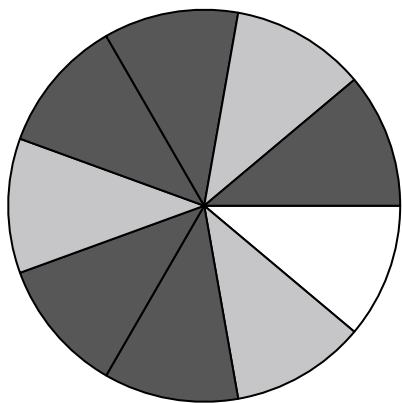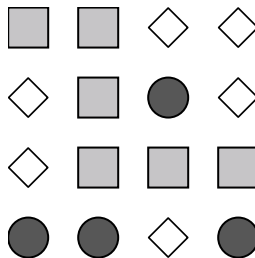**Use each diagram to solve the problems.**
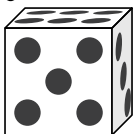


1) How many pieces are there total in the spinner?

2) If you spun the spinner 1 time, what is the probability it would land on a white piece?

3) If you spun the spinner 1 time, what is the probability it would land on a gray piece?

4) If you spun the spinner 1 time, what is the probability it would land on a black piece?

5) If you spun the spinner 1 time, what is the probability of landing on either a black piece or a gray piece?

6) Which shape has a 37.50% chance (6 out of 16) of being selected?



7) If you were to select 1 shape at random from the array, what is the probability it will be a diamond?

8) If you were to select 1 shape at random from the array, what shape do you have the greatest probability of selecting?
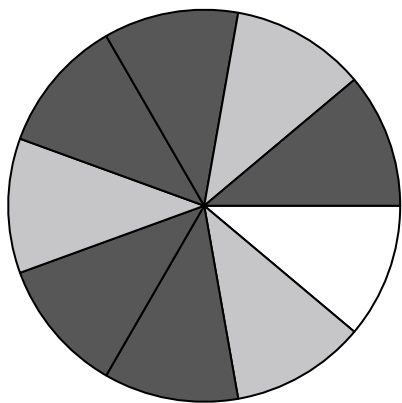
9) How many shapes are there total in the array?



10) If you were to roll the dice one time what is the probability it will NOT land on a 1?

11) If you were to roll the dice one time, what is the probability of it landing on an odd number?

12) If you were to roll the dice one time what is the probability it will land on a 4?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

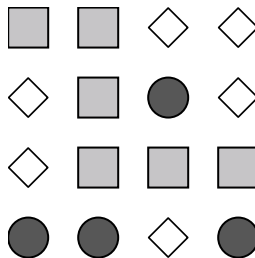7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

**Math**

9

| 1-10 | 92 | 83 | 75 | 67 | 58 | 50 | 42 | 33 | 25 | 17 |
|------|----|----|----|----|----|----|----|----|----|----|
| 11-12 | 8 | 0 | | | | | | | | |

Name: 

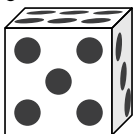**Use each diagram to solve the problems.**

**1)** How many pieces are there total in the spinner?

1. _____ **9**

**2)** If you spun the spinner 1 time, what is the probability it would land on a white piece?

2. _____ **1 out of 9**

**3)** If you spun the spinner 1 time, what is the probability it would land on a gray piece?

3. _____ **3 out of 9**

**4)** If you spun the spinner 1 time, what is the probability it would land on a black piece?

4. _____ **5 out of 9**

**5)** If you spun the spinner 1 time, what is the probability of landing on either a black piece or a gray piece?

5. _____ **8 out of 9**

6. _____ **square**

**6)** Which shape has a 37.50% chance (6 out of 16) of being selected?

7. _____ **6 out of 16**

8. _____ **circle**

**7)** If you were to select 1 shape at random from the array, what is the probability it will be a diamond?

9. _____ **16**

**8)** If you were to select 1 shape at random from the array, what shape do you have the greatest probability of selecting?

10. _____ **5 out of 6**

**9)** How many shapes are there total in the array?

11. _____ **3 out of 6**

12. _____ **1 out of 6**

**10)** If you were to roll the dice one time what is the probability it will NOT land on a 1?

**11)** If you were to roll the dice one time, what is the probability of it landing on an odd number?

**12)** If you were to roll the dice one time what is the probability it will land on a 4?

**Math**

| 1-10 | 92 | 83 | 75 | 67 | 58 | 50 | 42 | 33 | 25 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11-12 | 8 | 0 | | | | | | | | |