Basic Probability

Name:

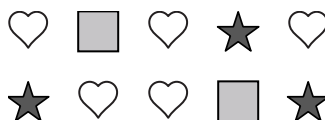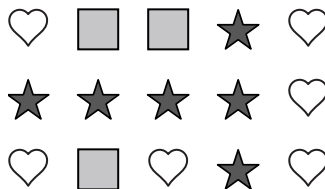**Use each diagram to solve the problems.**

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

1. _____

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

2. _____

3. _____

3) Which shape has a 0.36% chance (9 out of 25) of being selected?

4. _____

5. _____

4) How many shapes are there total in the array?

6. _____

7. _____

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

8. _____

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

9. _____

10. _____

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

11. _____

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

12. _____

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

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 3?

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

Use each diagram to solve the problems.

Answers

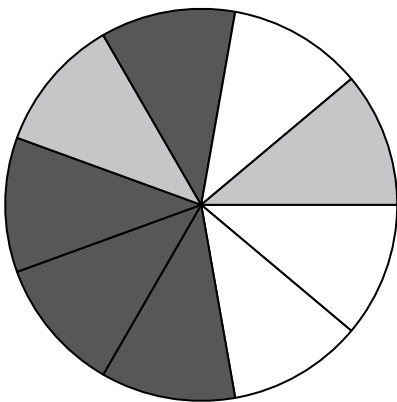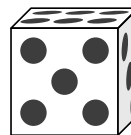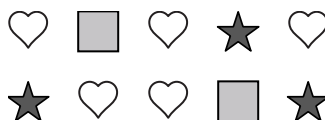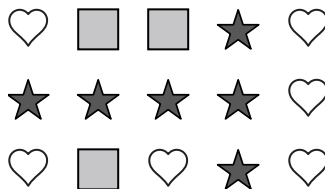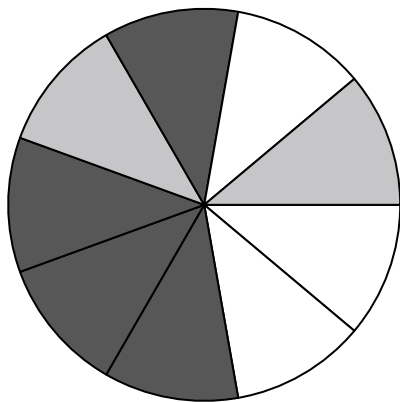1) If you were to select 1 shape at random from the array, what is the probability it will be a heart?

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

3) Which shape has a 0.36% chance (9 out of 25) of being selected?

4) How many shapes are there total in the array?

1. **11 out of 25**

2. **square**

3. **star**

4. **25**

5. **2 out of 9**

6. **3 out of 9**

7. **9**

8. **6 out of 9**

9. **4 out of 9**

10. **5 out of 6**

11. **3 out of 6**

12. **1 out of 6**

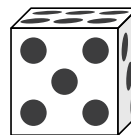5) If you spun the spinner 1 time, what is the probability it would land on a gray piece?

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