

Name: _____

1) The six sides of a die are shown.

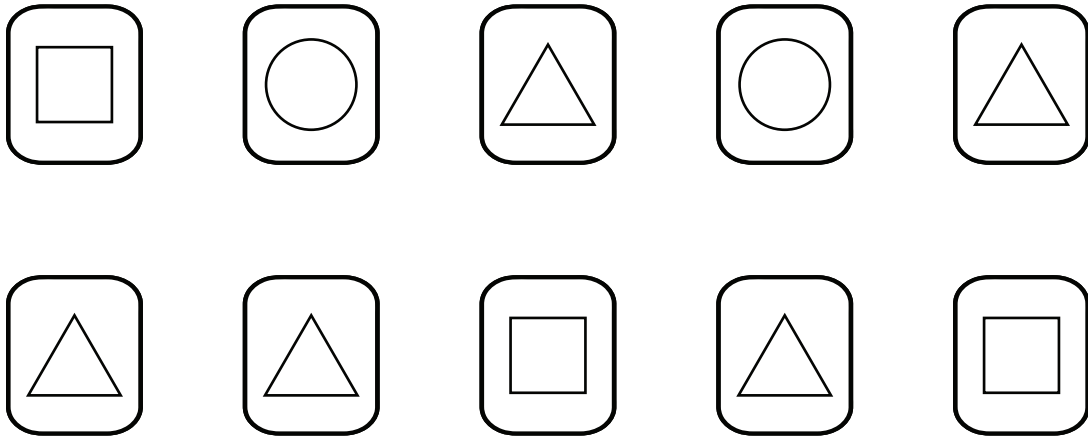


a) The die is rolled once. What is the chance of rolling a six? _____

b) The die is rolled again. What is the chance of rolling a six again? _____

c) Two dice are rolled. What is the chance of rolling a total of 1? _____

2) Sam turned these cards and mixed them up.



He selects one card at random.

a) What is the chance of selecting a card with a triangle?

1 out of 10

3 out of 10

5 out of 10

7 out of 10

3) A bag contains 5 green, 3 red, 4 orange and 2 purple balls.
Sam takes one ball without looking.

a) What is the chance Sam takes a green or purple ball?

5 out of 14

7 out of 14

9 out of 14

10 out of 14

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4) What is the chance of you guessing the month I was born? _____

5) There are 100 tickets in a raffle. How many tickets do I need to buy for a 1 in 20 chance of winning? _____

6) There is a 90% likelihood of it raining tomorrow.

Which statement is the most accurate?

- It probably won't rain tomorrow. It will most likely rain tomorrow.
 It will definitely rain tomorrow. It will rain all day tomorrow.

7) If you randomly choose a number from 1 to 20, what's the chance it's odd?

8) Gretal was born in March. What's the chance that Henry was also born in March? _____ Explain your answer.

9) There are 20 cards numbered from 1 to 20.

Joe chooses first, picking the 7.

Without replacing the card, what is the chance that the next person to choose also picks a 7? _____ Explain your answer.

10) Sam rolled two six-sided die, each numbered from one to six.

Why is it more likely to roll a total of seven rather than twelve?

