# Lesson 1 Homework Practice

## Probability of Simple Events

**The spinner shown is spun once. Find each probability. Write each answer as a fraction, a decimal, and a percent.**

**1.** $P$(C)

   15/100, .15. %15

**2.** $P$(G)

   0/100, .0, 0%

**3.** $P$(M or P)

   25/100, .25, 25%

**4.** $P$(B, E, or A)

   15/100, .15, 15%

**5.** $P$(*not* vowel)

   10/100, .10, 10%

**6.** $P$(*not* M)

   5/100, .5, 5%
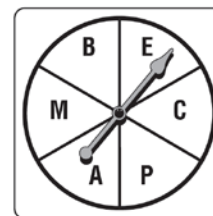


**Eight cards are marked 3, 4, 5, 6, 7, 8, 9, and 10 such that each card has exactly one of these numbers. A card is picked without looking. Find each probability. Write each answer as a fraction, a decimal, and a percent.**

**7.** $P$(9)

   3/100, .3, 3%

**8.** $P$(3 or 4)

   4; 3/100, .3, 3%

**9.** $P$(greater than 5)

   5: 6/100, .6, 6%

**10.** $P$(less than 3)

   2; 2/100, .2, 2%

**11.** $P$(odd)

   1: 1/100, .1, 1%

**12.** $P$(4, 7, or 8)

   7; 8/100, .8, 8%

**13.** $P$(*not* 6)

   3: 8/100, .8, 8%

**14.** $P$(*not* 5 and *not* 10)

   10; 5/100, .5, 5%

**The spinner is spun once. Write a sentence stating how likely it is for each event to happen. Justify your answer.**
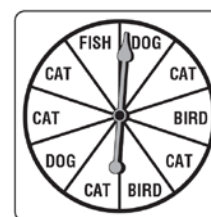
**15.** fish

 I feel it is likely to hit fish because the spinner is gonna start right befote the fish.



**16.** cat

I feel it is very likely to hit cat because it will most likely stop towards the top and if it slows down, it might land on cat.

**17.** bird, cat, or fish

 bird; I feel it is unlikely to hit bird because it is just at an odd spot on the spinner.

**18. PLANTS** Of the water lilies in the pond, 43% are yellow. The others are white. A frog randomly jumps onto a lily. Describe the complement of the frog landing on a yellow lily and find its probability.

  The probability of a frog landing on a yellow pad is 57% which is more than 43%.