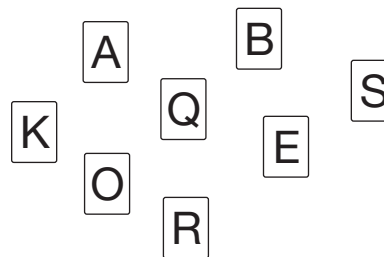


# Lesson 1 Skills Practice

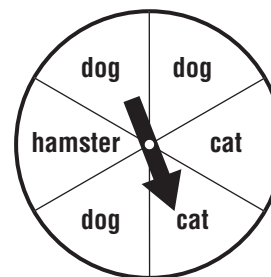
## Probability of Simple Events

A card is randomly chosen. Find each probability. Write each answer as a fraction, a decimal, and a percent.



1.  $P(B)$  1.7, .14, 14.29%
2.  $P(Q \text{ or } R)$  1.7, .14, 14.29%
3.  $P(\text{vowel})$  A: 1.7, .14, 14.29%
4.  $P(\text{consonant or vowel})$   
E: 1.7, .14, 14.29%
5.  $P(\text{consonant or A})$
6.  $P(T)$  0/7, 0%, .007

The spinner shown is spun once. Write a sentence explaining how likely it is for each event to occur.



7.  $P(\text{dog})$   
It is likely to hit dog because it has a chance to go fast and slow down and land on dog.
8.  $P(\text{hamster})$   
It is not likely to land because the momentum is aimed towards the equal sides and top and bottom.
9.  $P(\text{dog or cat})$   
Cat: it is very likely to land on cat because it shows it started there.
10.  $P(\text{bird})$   
It will not touch because there isn't a bird.
11.  $P(\text{mammal})$   
It is very likely to land on a mammal because all except one are mammals.

**WEATHER** The weather reporter says that there is a 12% chance that it will be moderately windy tomorrow.

12. What is the probability that it will not be windy?  
The probability that it will not be windy tomorrow is high because 12% is less than half of a chance for it to be windy.
13. Will tomorrow be a good day to fly a kite? Explain.  
No it will not be because there is a small chance it will be windy enough to fly a kite.