## **Problem Solving** Lesson 10

A local store is running a contest. Each time you enter the store you get a ticket. The sign below shows the probability of winning a prize. Use the sign below to solve each problem. Write each probability in simplest form.

1. What is the probability of winning the grand prize?  $\frac{1}{1000} = .001$ 

The probability is \_\_\_\_\_\_. 190 \_\_\_\_.

2. What is the probability of winning the second prize?  $\frac{5}{1000} = .005$ 

The probability is . . 5 %

3. What is the probability of winning the fifth prize?

The probability is 2.5%

4. What	is the probability of not	winning any
prize?	1000-61 = 939	$\frac{939}{1000} = .939$

The probability is 93.9%

Chances of winning:				
Prize	Number of Tickets			
Grand prize	1			
Second prize	5			
Third prize	10			
Fourth prize	20			
Fifth prize	25			

One person will be selected at random to represent the company at a special event. The table below shows how many people volunteered to be selected. Each name is written on a slip of paper, and one slip is to be drawn. Use the table to solve each problem. Write each probability in simplest form.

5. What is the probability that a woman will be selected?

The probability is \_\_\_\_\_\_**50%** 

6. What is the probability that a person from Department C will be selected?

The probability is 30%

n

7. What is the probability	that	a	woman	from
Department A will be selecte	:d?			

Department		Men	
A	0	5	
В	6	1	
C	2	10	
D	12	4	
<u>ಅವರು ಉದಾಸವಾದಕವಾದ ಸಭಿಗಳಿಗೆ ವಿವಿದಿಗಳ</u>	20	20	

The probability is O %