

Extra Practice!

Lesson 10 Problem Solving

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?

The probability is _____.

2. What is the probability of winning the second prize?

The probability is _____.

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

The probability is _____.

4. What is the probability of not winning any prize?

The probability is _____.

BRUNS' SHOE STORE	
Chances of winning:	
<i>Prize</i>	<i>Number of Tickets</i>
Grand prize	1
Second prize	5
Third prize	10
Fourth prize	20
Fifth prize	25
Total number of tickets to be given out: 1,000	

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 _____.

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

The probability is _____.

7. What is the probability that a woman from Department A will be selected?

The probability is _____.

<i>Department</i>	<i>Women</i>	<i>Men</i>
A	0	5
B	6	1
C	2	10
D	12	4