

Name: _____

Lesson Guide

This lesson guide accompanies the following video lesson:

Word Problem Practice: Probability

A soda company puts a different symbol on the cap of each bottle.
The company uses 6 different symbols.

The symbols found under 50 different caps are shown in the table below:

Symbols On Bottle Caps

| Symbol | Number of Caps |
|--------|----------------|
| ★ | 5 |
| 🐾 | 10 |
| ⚡ | 5 |
| ☠️ | 7 |
| ♥️ | 15 |
| 🌀 | 8 |

Based on the data, what is the probability that next bottle cap will have a ♥️ or ★ ?

My Answer: _____

Your Turn!

A vending machine is malfunctioning and is randomly distributing different types of drinks.

The vending machine currently has 75 drinks in stock and the table below shows the different types of drinks and the amount of each type in the vending machine.

| Drink | Amount |
|--|--------|
| Milk  | 8 |
| Soda  | 12 |
| Water  | 25 |
| Juice  | 13 |
| Tea  | 17 |

Based on the table, answer the following questions:

- A) What is the probability of getting a bottle of water?

- B) What is the probability that the next drink is water, juice, OR soda?

- C) What is the probability that the next drink is juice or tea?

ANSWER KEY

1.) $2/5$

2.) A) $25/75$ or $1/3$ B) $50/75$ or $2/3$ C) $30/75$