

Skill: Counting Outcomes

Investigation 1

What Do You Expect?

Draw a tree diagram to show all possibilities.

1. Today, the school's cafeteria is offering a choice of pizza or spaghetti. You can get milk or juice to drink. For dessert you can get pudding or an apple. You must take one of each choice.

2. A clothing store sells shirts in three sizes: small, medium, and large. The shirts come with buttons or with snaps. The colors available are blue or beige.

A computer store sells 4 models of a computer (m1, m2, m3, and m4). Each model can be fitted with 3 sizes of hard drive (A, B, and C).

3. Draw a tree diagram.

4. What is the probability of choosing a computer with a size C hard drive at random?

5. What is the probability of choosing a model 2 computer with a size A hard drive at random?