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NAME

**Module 20** Solving Problems Using Probability,  
Statistics, and Discrete Math  
**Lesson 1** Finding Permutations and Combinations



**guided  
practice**

**Set 1**

1. Margo has four blouses, two skirts, and two pairs of shoes. How many different outfits, consisting of one blouse, one skirt, and one pair of shoes, can Margo create?

**16 outfits**

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2. How many different ways can five books be arranged on a bookshelf?

**120 ways**

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**Set 2**

1. There are seven people and three chairs lined up in a room. How many different seating arrangements are possible?

**210 arrangements**

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2. How many different pizzas with four toppings can be made if eight toppings are available?

**70 pizzas**

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