

Counting Puzzles

Concept

Choices multiply.

Name: _____

Date: _____

Think: Independent choices MULTIPLY: 3 shirts and 2 pants make $3 \times 2 = 6$ outfits.

1. Solve each one. Reason it out!

- 1) You have 5 covers and 4 stickers. Each outfit uses one of each. How many different combinations can you make? _____
- 2) You have 3 ice-cream flavors and 5 toppings. Each outfit uses one of each. How many different combinations can you make? _____
- 3) You have 2 hats and 2 scarves. Each outfit uses one of each. How many different combinations can you make? _____
- 4) You have 4 ice-cream flavors and 2 toppings. Each outfit uses one of each. How many different combinations can you make? _____
- 5) You have 3 shirts and 4 pairs of pants. Each outfit uses one of each. How many different combinations can you make? _____
- 6) You have 2 covers and 5 stickers. Each outfit uses one of each. How many different combinations can you make? _____
- 7) You have 5 covers and 2 stickers. Each outfit uses one of each. How many different combinations can you make? _____
- 8) A snack bar offers 2 sandwiches and 2 drinks. How many different sandwich-and-drink lunches are there? _____
- 9) A snack bar offers 4 sandwiches and 2 drinks. How many different sandwich-and-drink lunches are there? _____
- 10) A snack bar offers 3 sandwiches and 3 drinks. How many different sandwich-and-drink lunches are there? _____