

# SUITCASE SQUEEZE

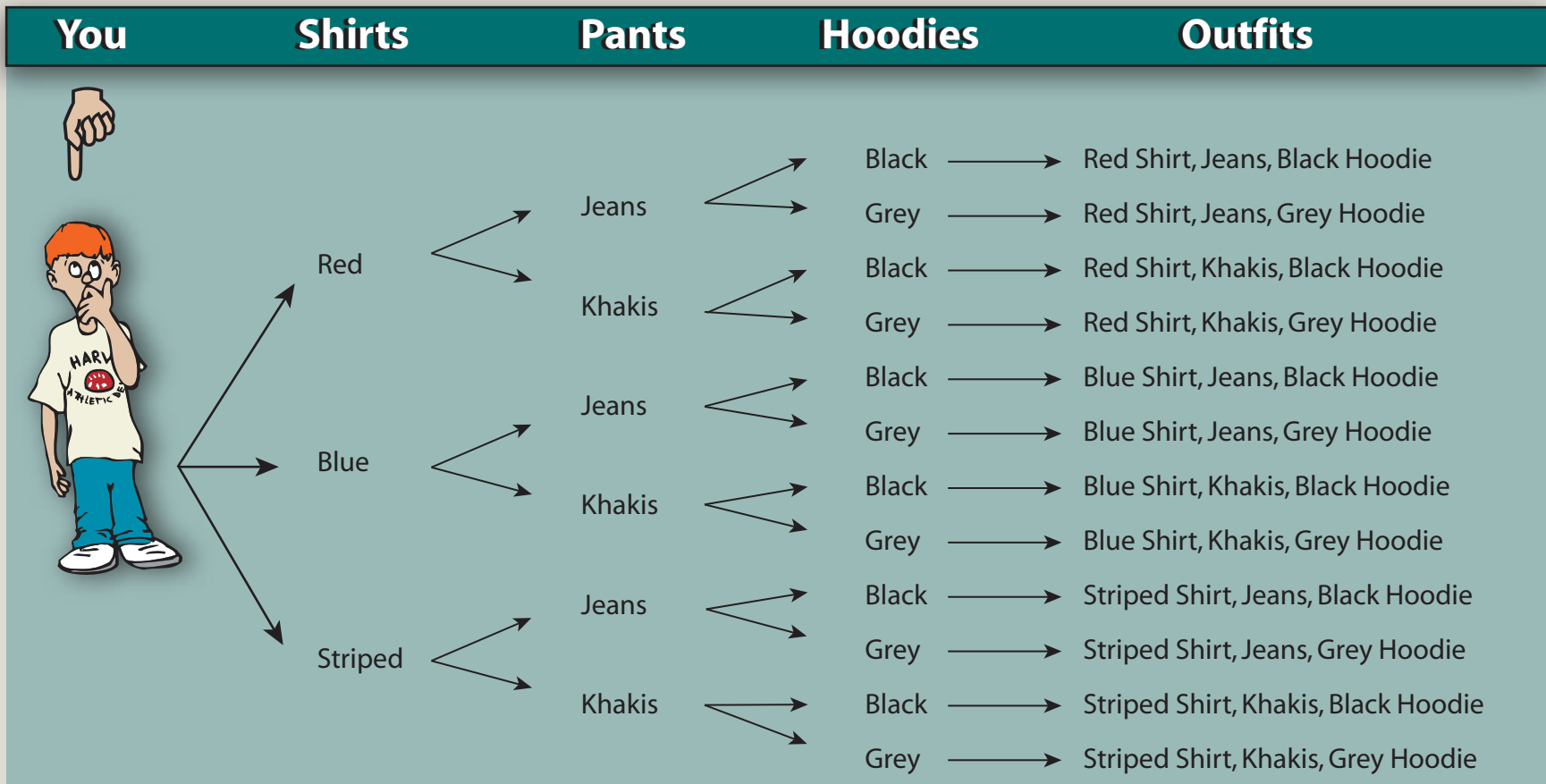
## Answer



Are you getting ready for a class trip? Going away for Spring Break? Well with travel restrictions abounding, plan on packing one small suitcase. Impossible you say? Let's find out!

You pack 3 shirts, red, blue, and striped. You also pack 2 pair of pants, a pair of jeans and a pair of khakis. It is supposed to be chilly so you decide to pack 2 hoodies, a black one and a grey one.

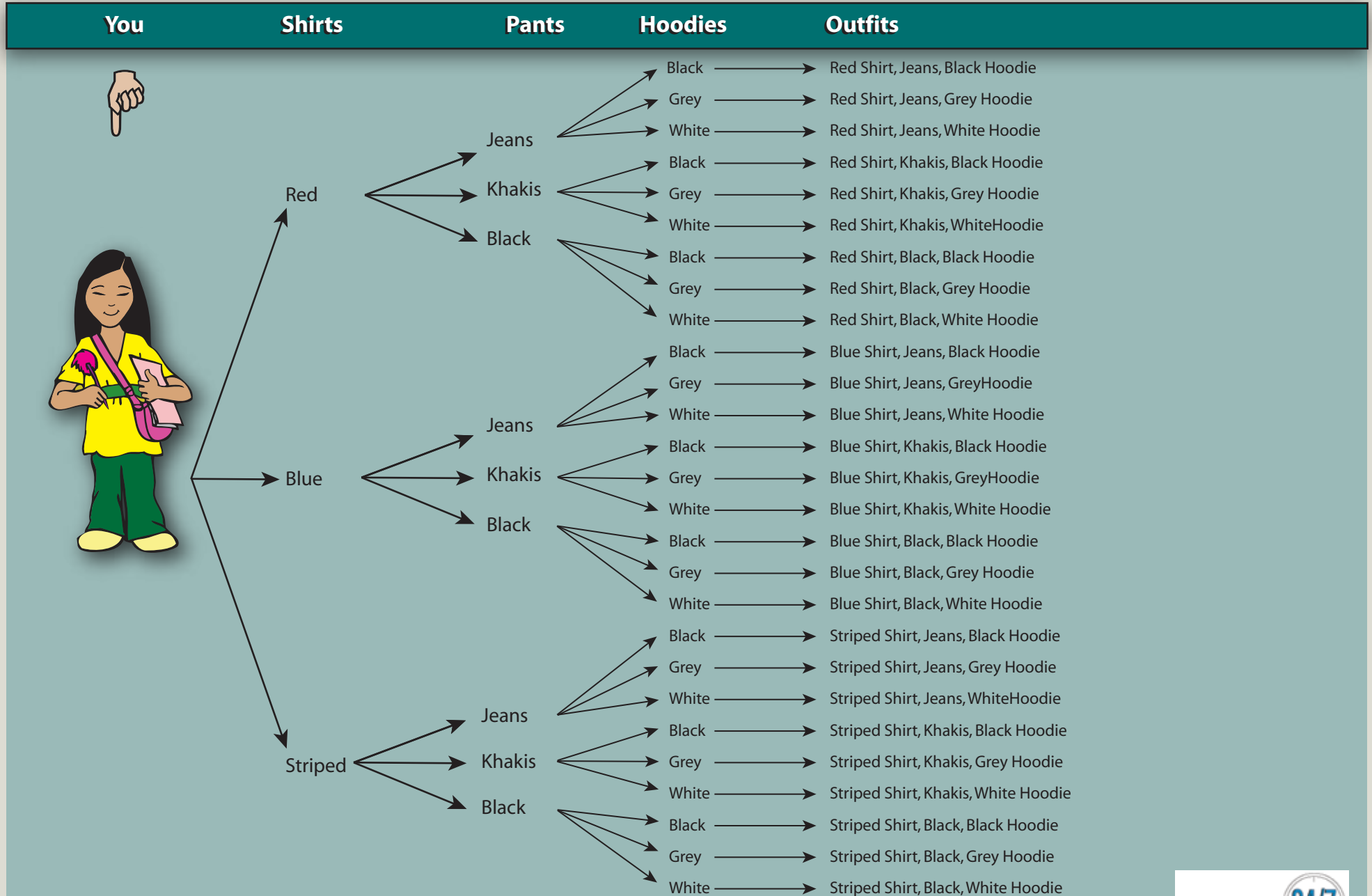
How many different outfits can you make if you wear a shirt, a pair of pants and a hoodie? Do you think you can make less than 10 or more than 10? Fill in the tree diagram to help you figure this one out.



The following Ohio Benchmark for this activity is: Find all possible outcomes of simple experiments or problem situations using methods such as lists, arrays, and tree diagrams. (Grades 5-7)

# Answer

**Challenge:** You have room in your suitcase for some additional clothes, a pair of black pants and a white hoodie. How many outfits can you make now? Do you think it will be under 20 or over 20? Make a tree diagram and find out.



The following Ohio Benchmark for this activity is: Find all possible outcomes of simple experiments or problem situations using methods such as lists, arrays, and tree diagrams. (Grades 5-7)