

Make Choices

In each chart, you have one choice from each column. Make an organized list and a tree diagram to show all the possible choices for each chart.

1.

Sports Events	
Sport	Level
Hockey	College
Basketball	Pro
Football	

2.

Drinks	
Size	Flavor
Small	Cola
Medium	Orange
Large	Grape
Extra Large	Fruit Punch

3.

Books	
Type	Level
Paperback	History
Hardcover	Mystery
	Fantasy
	Romance
	Sci-Fi

You have one choice from each category. Multiply to find the number of choices possible.

4. 3 cars, 8 colors

5. 4 movies, 4 snacks

6. 6 topics, 3 projects

7. 10 entrees, 7 desserts

8. 4 rings, 5 stones

9. 6 dog, 9 collars

Test Prep

10. Cherie wants to order soup and a sandwich. The soups are vegetable, black bean, and chicken. The sandwiches are tuna fish, chicken, egg salad, and tofu burger. How many choices does she have?

A 4

C 12

B 8

D 16

11. Angela is writing a story. Each character will be a boy, a girl, or a talking animal. Each character will have or will not have special powers. How many choices does she have for characters?
