

NAME: \_\_\_\_\_

SECTION: \_\_\_\_\_

## TREE DIAGRAM



### I. OBJECTIVES

The learner will be able to find the number of possibilities of an event using tree diagram.



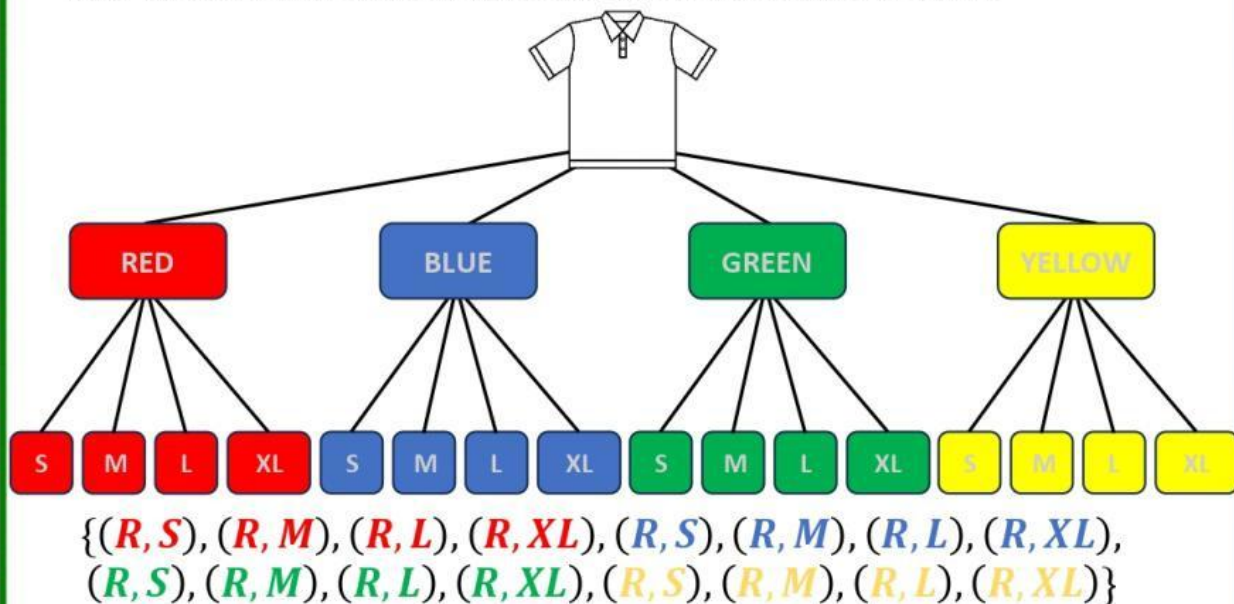
### II. LESSON

#### TREE DIAGRAM

➤ It is a diagram used to show the total number of possible outcomes in a probability experiment.

#### Example:

1. A new polo shirt is released in 4 different colors (Red, Blue, Green, Yellow) and 5 different sizes (S, M, L, XL). How many different color and size combinations are available to the public?

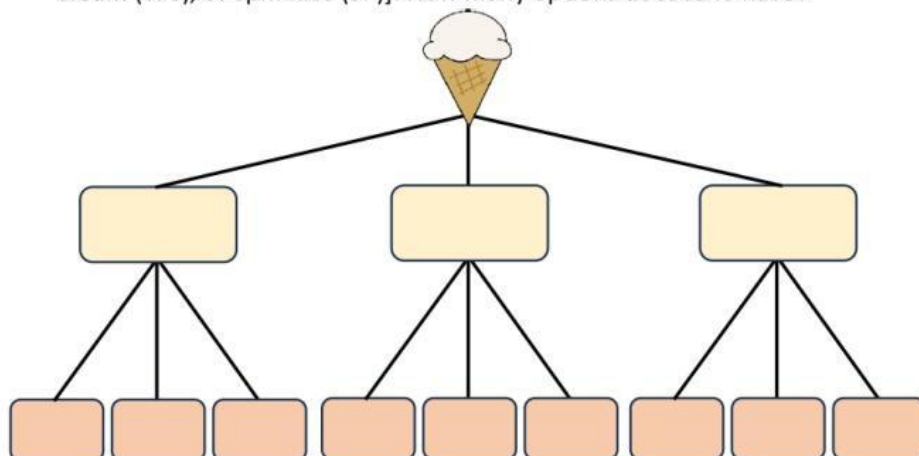


**Answer: 16 combinations**



### III. ACTIVITY

Use the tree diagram to solve the given problem. At Sweet's Ice Cream Parlor, Jane wants to buy an ice cream in a cone. She can choose from 3 different ice cream flavors [chocolate (C), vanilla (V), or strawberry (S)] and one of the toppings [nuts (N), whipped cream (WC), or sprinkles (SP)]. How many options does Jane have?



**Answer: \_\_\_\_\_**

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