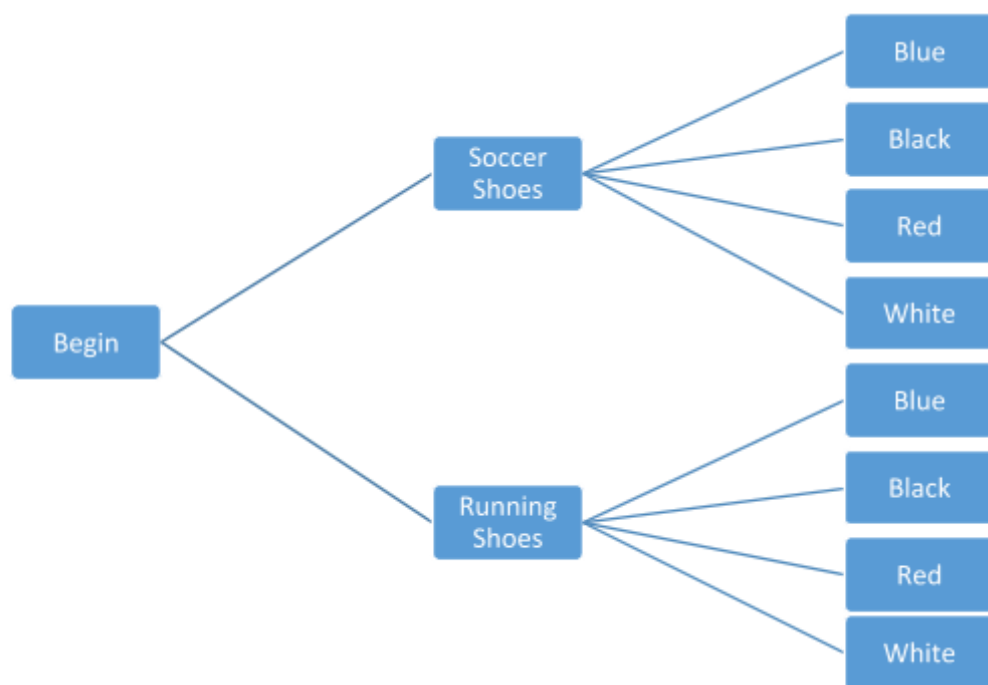


- Siddharth wants to buy a new pair of shoes. He can buy soccer or running shoes. A pair of shoes can come in blue, black, red, or white. How many different combinations can Siddharth choose from?

Draw a Tree Diagram to show your answer.

There will be 8 combinations



- Kavya is ordering a birthday cake for a friend. The bakery makes lemon and vanilla flavoured cakes. Each flavour of cake can come with green or pink frosting. She can also pick fudge or cherry filling. How many different combinations can Kavya choose from? Find the total number of combinations we can have.

Show the different combinations.

There can be 8 combinations.

flavour	frosting	filling
lemon	green	fudge
lemon	green	cherry
lemon	pink	fudge
lemon	pink	cherry
vanilla	green	fudge
vanilla	green	cherry
vanilla	pink	fudge
vanilla	pink	cherry