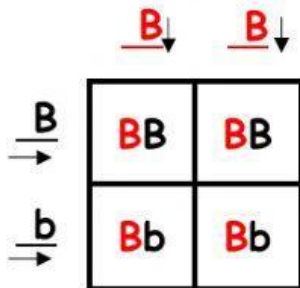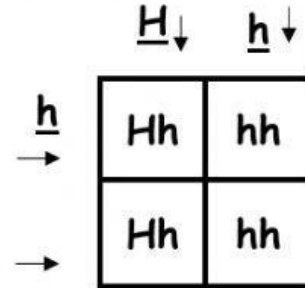# Punnett Square

A Punnett square is used to predict the possible genotypes of offspring from certain parents. In a Punnett square, the alleles for one parent are written along the top of the square. The alleles for the other parent are written along the side of the square. The possible genotypes of the offspring are found by combining the letters at the top and side of each square.
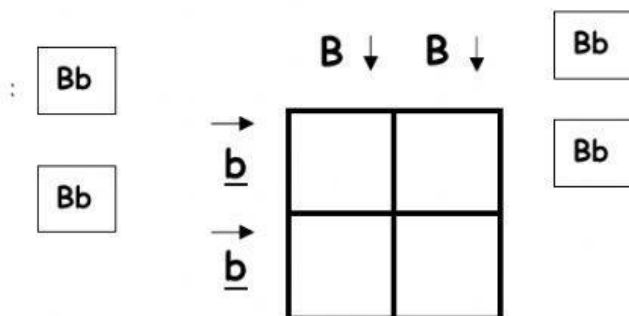
Example 1:

	__B__↓	__B__↓
__B__→	**B**B	**B**B
__b__→	**B**b	**B**b

Example 2:

	__H__↓	__h__↓
__h__→	Hh	hh
→	Hh	hh

Your Turn Now!
Two parents are having a child.
The father has dominant brown eyes (BB).
The mother has recessive blue eyes (bb).
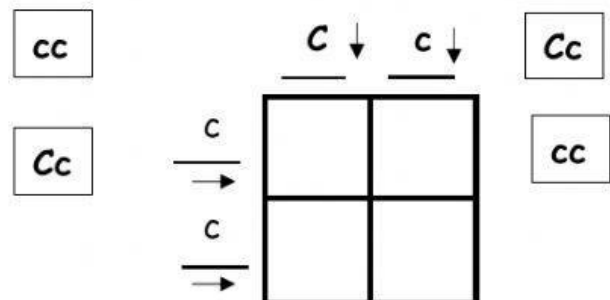Find the possible eye color of the child.

: Bb   Bb

	B ↓	B ↓	Bb
__b__→			Bb
__b__→			

Your Turn Now!
Two parents are having a child.
The father has curly hair(Cc).
The mother has straight hair(cc).
Find the possible hair feature of the child.

cc   Cc

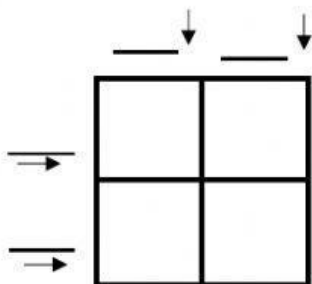|	C ↓	c ↓	Cc
__c__→			cc
c→			

Your Turn Now!
Two flowers are crossed together.
The red petal is dominant (RR)
The yellow petal flower is a hybrid (Rr)
Determine new plant offspring.

	___↓	___↓
→		
→		

Your Turn Now!
Two plants are crossed together.
One plant has smooth seed pod (SS)
One plant has wrinkled seed pod (ss)
Determine new plant offspring.

	___↓	___↓
→		
→		