

Trait Code

	Dominant traits	Recessive traits
Height	Jumbo purple paper clip =	Regular purple paper clip =
	Tall stalk	Short stalk
Leaf color	Green paper clip =	Silver paper clip =
	Green leaves	White leaves (albinism)
Seed color	Yellow paper clip =	White paper clip =
	Yellow seed	White seed
Seed texture	Red paper clip =	Twisted red paper clip =
	Smooth seed	Wrinkled seed

Trait Expression

Dominant traits mask recessive traits.

- A **dominant** trait from one parent and a **dominant** trait from the other parent produces a **dominant** phenotype.
Dominant + Dominant = Dominant
- A **dominant** trait from one parent and a **recessive** trait from the other parent produces a **dominant** phenotype.
Dominant + Recessive = Dominant
- A **recessive** trait from one parent and a **dominant** trait from the other parent produces a **dominant** phenotype.
Recessive + Dominant = Dominant
- A **recessive** trait from one parent and a **recessive** trait from the other parent produces a **recessive** phenotype.
Recessive + Recessive = Recessive.

Check for Understanding

Looking at the above information, what is the probability that a recessive phenotype will occur? 25 % chance or 1 in 4