Expt: 10 Mendelian inheritance using seeds of different colours/sizes of any plant.

Aim:

To study the Mendelian inheritance using seeds of different colours/sizes of any plant.

Materials Required

Petri Dish

Enamel Tray

Pea Seed Samples

Procedure

Place 100 pea seeds in a tray.

Separate the seeds into the **round** and **wrinkled** and place them in two separate Petri dishes.

Note down the number of round and wrinkled seeds and calculate their ratio.

Repeat the procedure mentioned above for other contrasting traits, such as the colour of the seeds.

Observation

The following table represents the total number of seeds, contrasting characters and their ratio.

S. No	Characteristics	Total number of seeds	Seeds showing contrasting characters	Ratio
1	Shape of the seed	100	Round seeds; (75) wrinkled seeds (25)	3: 1
2	Colour of the seed	100	Round seeds; (75) wrinkled seeds (25)	3: 1

****