

A _____ noticed that some of the flowers on her pea plants were white. In previous _____ they were _____. How can you explain this?

Heredity- the
passing of traits
from _____
to offspring

What are some
examples?

Gregor Mendel, an Austrian _____,
made the break through in the study of
_____.

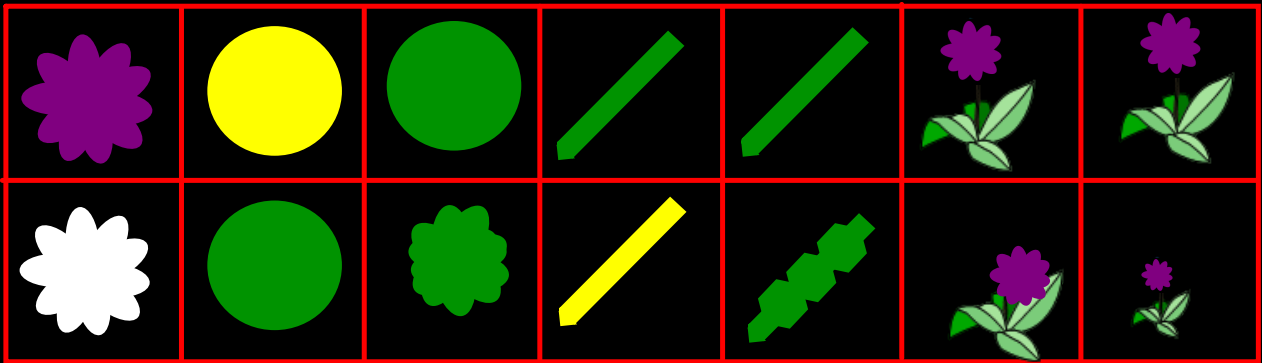
- His parents were peasants: he knew a lot about agriculture
- An ordained priest
- Attended the University of Vienna to study science



Mendel repeated a previous
_____ experiments, but he took
it to the next level _____ the
data.

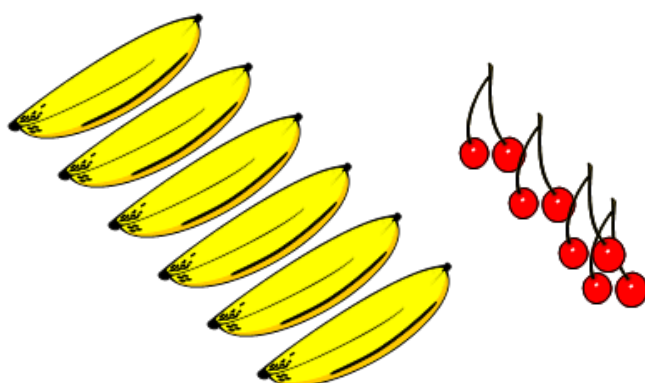
Peas have three useful features

- Many traits that have two clearly _____ forms
- The mating is easily _____
- It is small, grows quickly, produces many _____.

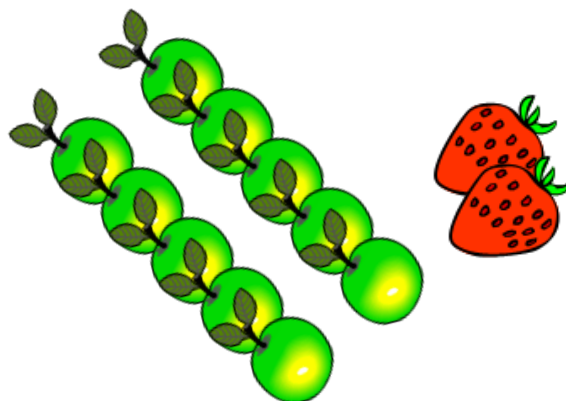


Ratio: A
comparison of
two numbers
that have the
same unit Can be written 3 ways.

What is this ratio?



What is this ratio?



Homework: Do Math Lab on page 163

Contrasting Traits	F2 Generation Results		Ratio
Flower Color	705 Purple	224 White	3.15:1
Seed Color	6022 Yellow	2001 Green	
Seed Shape	5474 Round	1850 Wrinkled	
Pod Color	428 Green	152 Yellow	
Pod Shape	882 Round	299 Constricted	
Flower Position	651 Axial	207 Top	
Plant Height	787 Tall	277 Dwarf	