

FAMILY TREES

We are going to draw three trees:

1. Sketch a tree somewhere on this page or the back of the adjacent page -- just draw the trunk and branches, no leaves or other elements.

#	2. Human Genetics family tree. Each Human, male or female has 2 parents	3. Bee Genetics family tree. Drones have just a Queen for a parent. Queens have a Drone (D) and a Queen(Q) for parents.	#
		Q D	
	M F	Q	
	You	Drone	

“Tree out” your picture by drawing lines between parents and progeny

Count how many individuals in each generation and say what the pattern is for each number series.

Human: 1, _____, _____, _____, _____, _____, _____,

Bee: 1, _____, _____, _____, _____, _____, _____,

FAMILY TREES- KEY

We are going to draw three trees:

1. Sketch a tree on the back of the page -- just draw the trunk and branches, no leaves or other elements.

[illegible]

“Tree out” your picture by drawing lines between parents and progeny

List the numbers of individuals in each generation.

Human: 1, 2, 4, 8, 16, 32, 64, ...

This pattern powers of 2

Bee: 1, 1, 2, 3, 5, 8, 13, ...

These are Fibonacci numbers