

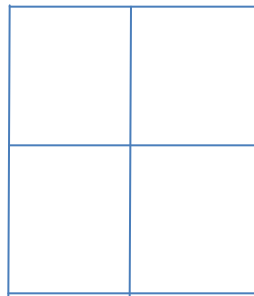
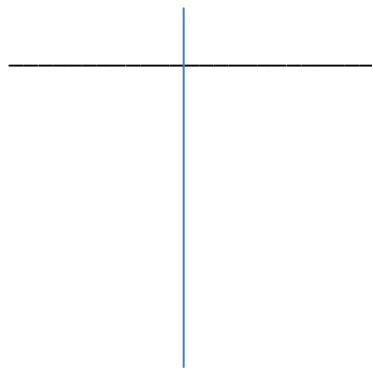
Name _____ Class _____ Date _____

C5L2 Dominant & Recessive Quiz Practice #2

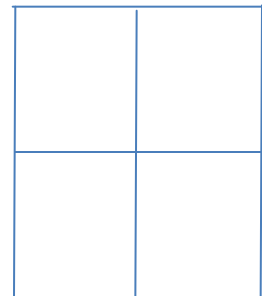
(1-10) Do the 5 steps for the following: Bob who is homozygous for the dominant trait of having dimples marries Sue who lacks dimples. One of their sons marries a lady who is purebred dominant. (Use the letter D)

_____ = _____

_____ = _____



F₁



F₂

- _____ 11. Give the genotypic ratio of the first filial generation.
- _____ 12. Give the phenotypic ratio of the second filial generation.
- _____ 13. In the F₂ how many children have dimples?
- _____ 14. What is Bob's genotype?
- _____ 15. Name the recessive trait.
- _____ 16. In the second filial generation, how many offspring are homozygous?
- _____ 17. Which parent is heterozygous?
- _____ 18. Can Bob and Sue have children who do not have dimples?
- _____ 19. Give the genotype of a person who doesn't have dimples?
- _____ 20. What is the probability of Bob having a grandchild who lacks dimples?
- _____ 21. What percent of Bob and Sue's children have dimples?
- _____ 22. What is Sue's genotype?