

Today on Jerry Springer: Who is the Father?



Part 1 Directions:

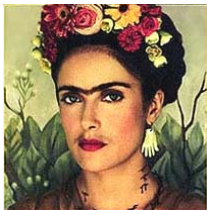
1. for each mother, decide what type of inheritance the trait must be: mendelian, incomplete dominance, codominance, or lethal gene.
2. determine what is dominant.
3. what is the mother's genotype & phenotype?
4. what should the father's genotype & phenotype be?

use your modes of inheritance chart to help!!



Mother #1: Sally Jo

Sally Jo has ten children. Two of them have normal teeth, while the other eight have a huge gap in their teeth. We aren't sure who the father is, but we know it is the same guy for all ten. Several men have come forward claiming to be the father of all ten...what trait should the real father have?



Mother #2: Giselle

Giselle has 5 children. All of them have unibrows. What trait should the real father of all 5 have?



Mother #3: Bertha

Bertha has thirty children. 8 of them have very hairy backs, 8 of them have no hair on their backs at all, and 14 have semi-hairy backs. What trait should the real father have?



Mother 4: Anita

Anita has 10 children who are alive. She has had a few still-borns and miscarriages. 7 of her living children have buck teeth, and 3 of them have normal teeth. Who is the real father?



Mother 5: Judy Lou

Judy Lou is a very unique woman because she has light and dark spotted skin. She has thirty children. 9 of them have all light skin, 7 of them have all dark skin, and the other 15 have spotted skin like her. Who is the father?

Part 2 Directions

After the show, Jerry noticed that some of the people from the show were flirting wildly. A few years after the show, Jerry heard that some of the guests had children. Jerry wants to do a follow up show with the theme of: America's ugliest baby.

Using the traits of the people in part 1, make America's ugliest baby. Make sure you show what the baby's traits are as well as what the parent's traits are. Show Punnett squares for each trait to prove that it is possible for the baby to get each trait. Draw a picture of your baby!!!