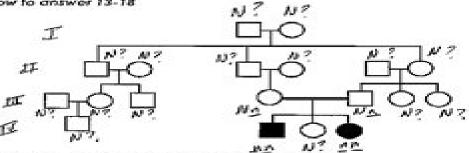
Use the Pedigree below to answer 13-18



N= normal N = h:tablities Himsel

146

13. Write the generation on the pedigree numbers (roman numerals).
The pedigree to the above shows the passing on of Hitchhiker's Thumb in a family. Is this trait dominant or recessive?

(**Transfer** | **Transfer**

14. How do you know? and 2 Indistruct

15. How are individuals III-1 and 42 related? ________ Austral + wife

16. Name 2 individuals that have hitchhiker's thumb. <u>TE-2</u> <u>TV-4</u>
17. Name 2 individuals that were corriers of hitchhiker's thumb. <u>TV-4</u> 上月-5

18. Write the genotypes for each individual on the pedigree.

Determining Inheritance Patterns

41 - Devise mine The per

19. When working through a pedigree, the first thing you need to do is figure out which characteristic is dominant – the shaded one or the un-shaded one. Then you need to choose a letter (let's use A) and begin assigning genotypes. Remember that recessive individuals are always homozygous, so assign their genotypes first. Then go back and look at all of the dominant individuals. For some, you will only be able to determine one allete of the genotype, so just write the one capital allete followed by a question mark (A?).

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