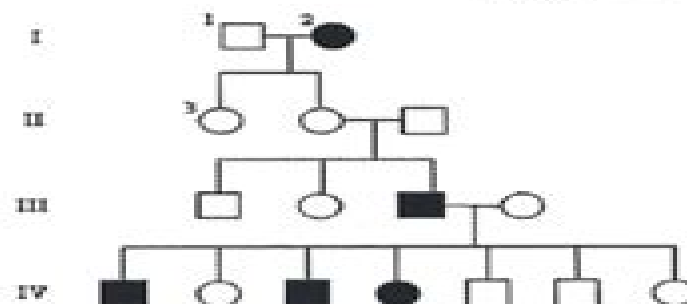


Interpreting a Human Pedigree

Use the pedigree below to answer 1-5



1. In a pedigree, a square represents a male. If it is darkened he has hemophilia; if clear, he had normal blood clotting.

- a. How many males are there? 8
b. How many males have hemophilia? 3

2. A circle represents a female. If it is darkened, she has hemophilia; if open she is normal.

- a. How many females are there? 6
b. How many females have hemophilia? 2

3. A marriage is indicated by a horizontal line connecting a circle to a square.

- a. How many marriages are there? 3

4. A line perpendicular to a marriage line indicates the offspring. If the line ends with either a circle or a square, the couple had only one child. However, if the line is connected to another horizontal line, then several children were produced, each indicated by a short vertical line connected to the horizontal line. The first child born appears to the left and the last born to the right.

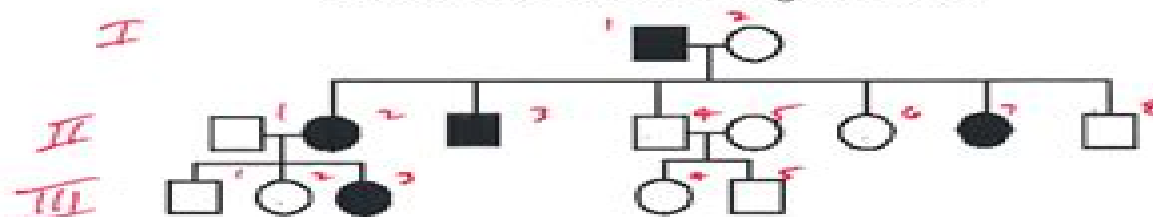
- a. How many children did the first couple (couple in row I) have? 2
b. How many children did the third couple (couple in row III) have? 7

5. Level I represent the first generation, level II represents the second generation.

- a. How many generations are there? 4
b. How many members are there in the fourth generation? 7

Use the pedigree below to answer 6-12

Shaded individuals have Huntington's Disease



6. Write the generation on the pedigree numbers (roman numerals).

7. Which members of the family above are afflicted with Huntington's Disease? I 1 II 2 II 3 II 7 III 3

8. There are no carriers for Huntington's Disease- you either have it or you don't.

With this in mind, is Huntington's disease caused by a dominant or recessive trait? D

9. How many children did individuals I-1 and I-2 have? 8

10. How many girls did II-1 and II-2 have? 3 How many have Huntington's Disease? 2

11. How is individual III-2 and II-4 related? Niece / Uncle I-2 and II-5? Great Grandmother / Great Grandson

12. Write the genotypes of each individual on the pedigree.

Human Pedigrees Key Instructional Fair

Phillip Gammage

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the author's name.

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The American Biology Teacher, 1956 Publishers' circular and booksellers' record, 1865 *The Publishers' Circular*, 1865 Report of the North Central Conference on Biology Teaching. Held at the University of Michigan Biological Station, Cheboygan, Michigan, August 19-30, 1955 National Association of Biology Teachers, 1956 *Fine Horses and Fair-Minded Riders* JuliAnna Ávila, 2024-04-15 What we currently call horse whispering has roots in a form of western horsemanship that traveled from Europe to Mexico and the United States and was then transformed by Native Americans and working cowboys into Vaquero horsemanship *Fine Horses and Fair Minded Riders* Modern Vaquero Horsemanship documents the learning and practice of Vaquero horsemanship which has survived as a vibrant part of horse culture In her study vila first focused on participants in the southeastern United States before expanding to include their mentors from across the United States vila characterizes what she found as a collapse of distance between geographical and cultural boundaries digital and physical spaces and most significantly horses and humans Influenced by New Literacies scholarship and employing a sociocultural theoretical framework vila explores self directed learning journeys the flexibility of apprentice and expert positions the influence of consumer culture the philosophy and significance of the cultural roots of Vaquero horsemanship the role of technology and what the future of this continually evolving horsemanship might include At the heart of this volume are personal stories and firsthand accounts from those who have studied modern Vaquero horsemanship which can help to create exceptional and powerful bonds between horses and humans **Children and Schooling** Phillip Gammage, 2012-05-04 The book provides a synthesis of a broadly based social psychology of education and bridges the gap between theory and practice in education by emphasising the relationship between research and actuality The author discusses the major issues in childhood socialisation relating to schooling achievement and the curriculum and in so doing makes a sensitive and well argued case for the social psychological perspective He presents a social psychologist s view of the interaction between child school and curriculum and summarises mainstream psychological contributions to current thinking on achievement self esteem and education He covers areas of social learning and attribution theory not commonly dealt with in education texts showing that there are major fields of research which have until now been neglected **Children and Schooling** is constructed so that its chapters can be used as independent study guides to specific subjects or read in sequence each subject inter related The text can be treated as an introduction particularly in view of the notes and comprehensive and apposite scholarly apparatus and as a spring board for serious study at advanced level **The Publishers' Circular and General Record of British and Foreign Literature**, 1865 **The Museums Journal**, 1904 Indexes to papers read before the Museums Association 1890 1909 Comp by Charles Madeley v 9 p 427 452 "The" Athenaeum, 1851 **British Books**, 1918 The Publishers' Circular and Booksellers' Record, 1925 Routledge Library Editions: Education Mini-Set C: Early Childhood Education 5 vol set Various Authors, 2021-02-25 First published in 2012 Mini

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Publishers' Circular and General Record of British and Foreign Literature, and Booksellers' Record ,1891 Our Debt to the Dog Bryan D. Cummins,2013-11-07 When Homo sapiens sapiens met Canis lupus lupus millennia ago the result was Canis lupus familiaris the domestic dog Since that fateful encounter the dog has become arguably humankind s greatest creation The domestic dog is the most widely distributed species other than ourselves in the world being found virtually wherever people live and is also the most diversified of species with literally hundreds of recognized breeds While we have shaped the dog it too has helped shape human history in innumerable ways Our Debt to the Dog is a critical historical and cross cultural examination through the use of case studies of this most improbable 15 000 year relationship and an exploration of how this relationship shaped the history of the world It is also very much an apology to the dog because over the course of the partnership horrific acts were perpetrated against it intentionally and otherwise Our Debt to the Dog enriches our understanding of the dog and extends our appreciation for the profound complexity of past and present human canine relationships and the dog s contributions to our lives and our world **Education Outlook** ,1900

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