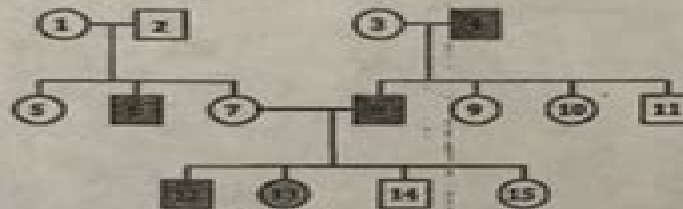


Genetics Practice Problems: Pedigree Tables

Remember the following when working pedigree tables:

- 1) Circles are females and squares are males.
- 2) A shaded circle or square indicates that a person has the trait.

The pedigree seen below is for colorblindness. Shaded individuals are colorblind. Determine the probable genotype of persons 1 - 15, and then answer the questions below the table.



How did you determine the genotype of the mother at 3? *only by consulting her parents pedigree analysis*

Number 8 was colorblind just like his father. Where did the son at 8 get his allele for colorblindness?

The allele: either son got colorblind from his father, more over his mother

Neither numbers 1 nor 2 were colorblind. How did they have a colorblind son (6)?

1 & 2 will be a carrier daughter that allele was recessive for 1 & 2

- x What must be the genotypes of the parents of a colorblind daughter? Explain.

100% carrier female x 100% carrier male

- x If number 13 marries a normal man, what is the probability that their sons will be colorblind?

100% carrier female x 100% normal male

100% carrier female x 100% normal male

100% carrier female x 100% normal male

Genetic Practice Problems Pedigree Tables Answers

JR Anderson



Genetic Practice Problems Pedigree Tables Answers:

Genetics, revised edition Karen Vipond, 2013-07-08 From the Foreword by Candy Cooley formerly Genetics Awareness Programme Lead at the NHS National Genetics and Genomics Education Centre What a delight it is to read a book which takes complex scientific concepts and ensures they are understandable by all With activities and answers reflection points and a glossary this interactive textbook supports the Fit for Practice in the Genetics Era competence framework offering an introduction to the theory of genetics and then using common genetic conditions disorders as case studies to help students apply theory to practice and examine the service user experience Genetics is written by an experienced teacher of health care sciences and is ideal for student nurses who need to demonstrate and apply knowledge of genetics and genomics It is also suitable for other health care students and for qualified practitioners who would like to refresh their knowledge of the subject From lecturer reviews A well written and nicely laid out genetics text at an appropriate level for adult nursing students Fabulous text student friendly Clinical Genetics in Nursing Practice Felissa R. Lashley, 2005-04-15 Designated a Doody's Core Title The third edition of this award winning text provides new and updated knowledge about genetics issues relevant to nursing practice Read in sequence or used as a reference this is a comprehensive overview of how genetics affects the care that nurses provide In addition to a summary of basic human genetics and discussion of the Human Genome Project this new edition includes the latest research findings and implications about inheritance major genetic disorders cytogenetics or chromosomal inherited biochemical and congenital anomalies and genetics in twin studies A consideration of the ethical impact of genetics on society and future generations as well as information on assisted reproduction round out the overview Includes over 100 illustrations and photos of specific genetic disorders tables and figures on the distribution of disease and an extensive appendix listing associations organizations and websites relevant to genetics **8 Practice Tests for the SAT** Kaplan Test Prep, 2020-07-07 Kaplan's 8 Practice Tests for the SAT provides printed practice exams and expert explanations to help you face the SAT with confidence More than 1 200 realistic practice questions help you get comfortable with the exam format so you can avoid surprises on Test Day We are so certain that 8 Practice Tests for the SAT offers the practice you need that we guarantee it After studying with our book you'll score higher on the SAT or you'll get your money back The Most Practice Eight realistic full length practice tests More than 1 200 practice questions help you increase speed and accuracy with all the different SAT question types More than 450 Math Grid Ins and Multiple Choice questions More than 400 Evidence Based Reading questions More than 350 Writing and Language questions Eight Essay Prompts complete with model essays and a self grading guide Detailed answer explanations written by our experts help you determine your strengths and weaknesses and improve your performance Expert Guidance 9 out of 10 Kaplan students get into one or more of their top choice college We know the test Our experts have put tens of thousands of hours into studying the SAT using real data to design the most effective strategies and study materials We invented test prep Kaplan has been helping students

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