Nama	1/2/
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Codominance and Incomplete Dominance

these crosses. I preter the same letter since it is only dealing with one gene but it is ok it you use different letters.

1. In horses, chestnut and white coat colors are incompletely dominant. Heterozygous

horses have a blend of both colors, which is a golden tan color. Such heterozygous horses are known as palominos (like Mr. Ed). A chestnut stud is bred with a white mare. What genotypes are produced from this mating? What is the probability of a white foal?; a chestnut foal?; a palomino foal?

1. C= chestnut c= white 6. Genotypic: All Ca 2. CC-chestnut Ca-palamino Phenotypic: All palamino

3. CC x ce 4. 6060

7. Probability of White=0, Clestant=0 Palonino : 100%

2. The same breeder as above wants to produce more palomino foals by breeding two palominos together. Is this a good way to produce more palaminos? What would be a better pairing to produce paliminos?

5. CCCCE c Cecel 6. 600; ICC: 2Ce: lee

7. Only 50% are palemino; a better cross would be the cross in #1

Phaso: 1 Charnet = 2 polonino: luhite

3. In humans, ABO blood types are an example of codominance. A and B are both dominant to O and A and B are codominant to each other. A man with blood type AO is married to a woman with blood type BO. What are the possible blood types of their children?

1. It = Abland I = Bblood is Oblood

2. It is, It It = Abland

I's = Abland

I's = Abland

G. Garo: II

21: 0

Pheno: 1 At

4. 10

The initial initial

6. 600: III II; II; II; Iii

4. A man who has type A blood is positive that his wife has been cheating on him because his baby has type O blood and his wife has type B. Is this man right to use this evidence that his wife has been unfaithful?

- No; by the above cross, both people could be heterozygous and have a dild with O type blood.

5. When a mouse with black fur is crossed with a mouse with white fur, all F1 generation offspring have gray fur. What genotypic and phenotypic ratios would be expected in the F2? What type of inheritance is this?

1. B. Black bo white

2. BB = Black, Bb = Gray, 16= white

3. F. crass 86 × 86 4. 8 0 8 0

5.

6. 600: 18B:2Bb:1bb Phero 1 Black: 2 Gray: I white

This is incomplete dominance