

Use a Simple Inheritance Model



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

An illustrative allele model

In a simplified model, A is dominant and a is recessive. Two Aa parents each contribute A or a with equal chance. The model assumes complete dominance and does not describe every real trait.

Allele	Parent A	Parent a
Other A	AA	Aa
Other a	Aa	aa

1. How many boxes show Aa?

2. What probability does the model give for aa?

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3. What probability has at least one A?

4. Name the two homozygous genotypes shown.

5. Does the model guarantee one aa child in every four?

6. Does dominant mean the allele must be most common?
