

Name:

Date:

Block:

**PUNNETT SQUARE
POSSIBILITIES**

ANALYSIS OF THE PUNNET SQUARES

Example

FEMALE PARENT

	A	A	
MALE PARENT	A	AA	AA
A	AA	AA	

Example

	Heterozygous (Aa)	Homozygous Dominant (AA)	Homozygous Recessive (aa)
Female Parent <u>Genotype</u> is:	--	AA	--
Male Parent <u>Genotype</u> is:	--	AA	--
Offspring ratios of possibilities	0:4	4:4	0:4
Offspring % of possibilities	0%	100%	0%

1. FEMALE PARENT

	A	A	
MALE PARENT	a	Aa	Aa
a	Aa	Aa	

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%

2. FEMALE PARENT

	A	A	
MALE PARENT	A	AA	AA
a	Aa	Aa	

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%

3. FEMALE PARENT

	A	a	
MALE PARENT	a	Aa	aa
a	Aa	aa	

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%



4.

FEMALE PARENT

	A	a
MALE PARENT	A	a
	AA	Aa
	Aa	aa

How about this one?

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%
Offspring <u>Phenotype</u> possibilities	Dominant		Recessive
		%	%

5.

FEMALE PARENT

	a	a
MALE PARENT	a	a
	aa	aa
	aa	aa

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%

6.

FEMALE PARENT

	a	a
MALE PARENT	A	A
	Aa	Aa
	Aa	Aa

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%

7.

FEMALE PARENT

	A	a
MALE PARENT	A	A
	AA	Aa
	AA	Aa

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%

8.

FEMALE PARENT

	a	a
MALE PARENT	A	A
	Aa	Aa
	aa	aa

	Heterozygous	Homozygous Dominant	Homozygous Recessive
Female Parent Genotype is:			
Male Parent Genotype is:			
Offspring ratios of possibilities	:	:	:
Offspring % of possibilities	%	%	%