

PUNNETT SQUARE WORKSHEET

Name: _____ Date: _____

Punnett Square Practice Worksheet

- 1) For each of the genotypes (AA, Aa or aa) below determine what the phenotype would be.
Purple flowers are dominant to white flowers.

PP _____ Pp _____ pp _____

Hairy knuckles are dominant to non-hairy knuckles in humans.

HH _____ Hh _____ hh _____

Bobtails in cats are recessive. Normal tails are dominant.

TT _____ Tt _____ tt _____

- 2) For each of the following write whether it is homozygous dominant, heterozygous or homozygous recessive.

AA _____ gg _____

Pp _____ Ii _____

tt _____ TT _____

Use the following information for questions 3-5:

In dogs, the gene for fur color has two alleles. The dominant allele (F) codes for grey fur and the recessive allele (f) codes for black fur.

- 3) The female dog is heterozygous. The male dog is homozygous recessive. Figure out the percentage or ratio of possible phenotypes and genotypes of their puppies by using a Punnett Square.

Place the alleles for the male parent below. One allele on each line:

% of possible Genotypes:

FF: _____

Ff: _____

ff: _____

Place the alleles for the female parent on the side. One allele on each line:

% of possible Phenotypes:

Black fur: _____

Grey fur: _____
