

Punnett Square and Pedigree Practice Quiz!

Crossing two homozygous flowers for color P (purple).

	P	P	
	p	___ 1.	___ 2.
	p	___ 3.	___ 4.

5. What are the resulting phenotypes?

Crossing two heterozygous flowers for color P (purple):

	P	p	
	P	___ 6.	___ 7.
	p	___ 8.	___ 9.

10. What are the genotype ratios?

11. What are the phenotype ratios?

A test cross of seed color Y (yellow) :

	___ 12.	___ 13.	
	y	Y y	Y y
	y	Y y	Y y

A test cross of pea shape R (round) :

	___ 14.	___ 15.	
	R	R R	R r
	r	R r	r r

Human blood type alleles:

	I ^A	I ^B	i	
	I ^A	___ 18.	___ 19.	___ 20.
	I ^B	___ 21.	___ 22.	___ 23.
	i	___ 24.	___ 25.	___ 26.

16. What is the genotype ratio of all monohybrid crosses of two heterozygote parents (e.g., Pp x Pp)?

17. What is the phenotype ratio of all monohybrid crosses of two heterozygote parents (e.g. Pp x Pp)?

27. What is the ratio of each blood type?

A:
B:
AB:
O: