

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: