



New plants from old

Worksheet 6 - Teacher answers to Mendel's punnett square

The second generation offspring should look like this:

TT + TT					
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The Mendel's punnett square should look like this:

(D)			(E)			(F)			(G)			(H)			(I)		
	T	T		T	T		T	T		S	S		S	S		T	S
T	TT	TT	S	Ts	Ts	T	TT	TT	S	SS	SS	T	Ts	Ts	T	TT	Ts
T	TT	TT	S	Ts	Ts	S	Ts	Ts	S	SS	SS	S	SS	SS	S	Ts	SS

Using the humble pea, Mendel was able clearly demonstrate the simple mathematics of inheritance using two factors, one dominant, one recessive. His theory, works equally well the expression of a characteristic is controlled by many variants of a gene – the sums are just a bit more complicated.