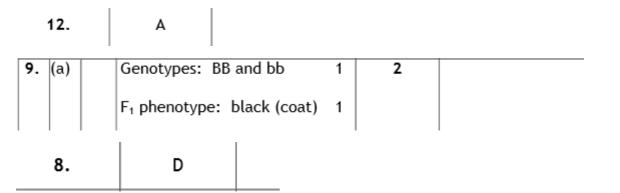
Variation and Inheritence Mark Scheme



7.	(a)	(i)	Jon is heter alleles/both AND is hearing			1	'Both genes'/'copies of genes' is not acceptable Both parts needed		
		(ii)	Individual	Genotype	Phenotype	2	One mark per column.		
			Paul	hh	non- hearing		Gender not necessary but incorrect gender negates.		
			Lyall	Hh	hearing		Accept equivalent description of phenotype eg. deaf etc.		
		(iii)	3 in 4/75%			1	3:1 is unacceptable but does not negate an otherwise correct answer. 75 is unacceptable (must have % symbol).		
	13		С		-	I	I		

6.	(a)		Individual	l Possible Genotype(s)		Pher	henotype		2		
			A		Tt			(1)			
			В								
			с	Н			itchhiker's (thumb) (1)				
	(b)	(i)	13:5						1		
		(ii)	 (ii) Fertilisation is a random process OR Numbers in sample too small 						1		
6.	6. (a) Discrete Heterozygous						(1) 2 (1) 2				
11.	(a)	(i)	G, H, I, J, K				1	Need all 5			
	(ii)		E: tt F: Tt					Additional information negates. If letters other than T or t have been correctly used, only one mark can be awarded.			
		(iii)		Т	t		c	If genotypes incorrect in (a) (ii) but carried forward and correctly used,			
			t	Tt	tt			both marks can still be awarded.			
			t 1 mark for gan 1 mark for offs		tt		I	marks ⁻ car	notypes given in (a) (ii) both an still be awarded if the square is correct.		