

Blood Type Problems

	1. List all the possible genotypes for each of th	e 4 blood types:						
	Type O To Type A TA	ZA ZO						
	Type B I I of I Type AB I TO							
	SHOW WORK!							
	2. A man with AB blood is married to a woman in what proportion?	with AB blood. What blood types will their children be and						
	AJAAAB	25% type A						
·	B 1AB 1831	25% type B						
• • =	3. A man who has type B blood (genotype: BB) is married to a woman with type O blood. What blood type will their children have?							
	00	All Lypo B (IBTO)						
·	B 180 180							
	B BO BO	is married to a time P person (genetime: PO). What blood						
,	types will their children have?	is married to a type B person (genotype: BO). What blood						
	1 10 10	25% Will be type AB. 25% type A 25% type B						
	H MB AO	25% type A						
	0 (30/00)							
	5. A woman with type A blood is claiming that a	a man with type AB blood is the father of her child, who is						
	AO or AA genotypes.	now the possible crosses; remember the woman can have						
	Vac.	Either war						
More	A AA (AB)	A AA AB he could be						
	2 20 / 20	A AA (AB) the Cother						
	UITU							

	6. A man with type AB band one adopted child.						en,		
F	+ AOJA	2	The state of the s	5	adopha	and a			
P	bo Be								
7. A person with type A blood (unknown genotype) marries a person with type O blood. What blood types are possible among their children. (Show 2 crosses)									
	A			j	A mark	4			
	OAO	00	06		40 A	0	All typ.		
	D A0/	20	· · · · · · · · · · · · · · · · · · ·	() A) A()		<i>f</i>		
		eA, Y2 ty	. a. maria	Proposed 10 To the Section of Section 1999	the state of the s	mayor of the same			
	10. A person with type C 6 children, 3 of them have	oblood is married to ve type A blood, thre A	a person with e of them have	type O blood.	What is the go	enotype of t	he two		
	parents?	A or	* H	fa	monts w	and 6	e Ito		
•	O AO AE		00/00	(10	, =		
	Olaala		Mes X	~					
ý	11. A person has type B to prove your answer.	blood. What are ALI	the possible						
		OV	+ +	Yavent	s are (
	12. A man of unknown g List ALL the blood types different possible genoty B All AB B 13. Two people with type O blood?	possible for their chipes of the parents)	ildren. (you ma	ay need to do r	nultiple crosse	s to conside	BO, W		
A CONTRACTOR OF THE CONTRACTOR	MI	or trem	P _c						
	14. Why is a person with	type O blood called	a "universal d	onor"?					
1	15. Why is a person with	type AB blood calle	d a "universal	acceptor"?					
	B 6		BC	>		B	0		
C)	O			В				
C	>	Ò			0				