Family Pedigree of Walid and Nadia (predicting children traits)

Waleed's Grandparents

Father's side

	Hair color	Curly/not curly	Eyes color	1
	A - Jet black	B - curly	C - black	
	a – <mark>medium</mark> brown	b - not curly	c - brown	-0
P generati	on: ÇAAb	b Cc X	්aa Bb cc	
Gametes:	ABC; A	Abc	aBc; abc	
F1 Generation: Aa BB Co		<mark>c -dad</mark> ; Aa Bb	Cc; Aa Bb cc;	Aa bb cc
	Jet black	hair color		
	Curly			
	Black ey	es' color		

Mother's side

Hair color	Curly/not curly	Eyes color
A – Jet black	B - curly	C - blue
a – medium brown	b - not curly	c - green

P generation:	Ç	Aa Bb Cc	X	် Aa Bb Cc	
Gametes:		ABC;ABc;Ab	c;AbC;ab	c;aBC;aBc;abC	abC
F1 Generation:					

abC	aBc	aBC	abc	AbC	Abc	ABc	ABC	A A
oCc <u>aaBbCC-</u> <u>mom</u>	AABbCc	abC						
	AABI	aaBbCC	aabbCc	AabbCC	AabbCc	AaBbCc	AaBbCC	abC

Waleed's Parents

ę aaBbCC X O Aa BB Cc P generation: abc; aBC; abC ABC; ABc; aBc; aBC abc aBC abC ð ABC AaBbCc AaBbCC AaBBCC AaBbCc ABC AaBbcc AaBBCc aBC aaBbCcaaBbCC aaBBCC Waleed aaBbCc aaBbcc aBc aaBBCc

Gametes:

Hair color	Curly/ not curly	Eyes' color
A-Jet black	B-curly	C-black
a-medium brown	b-not curly	c-blue

Waleed and Nadia

Hair color	Curly/ not	Eyes' color	
	curly		
A-Jet black	B-curly	C-black	
a-medium brown	b-not curly	c-blue	
^p generation:	♀ AAbbCc	x	්aa Bb Cc
Gametes:	AbC; Abc		aBC;aBc;abc;abC;
¢ ď	Abc	AbC	
aBC	AaBbCc	AaBbCC	
	1		

Chance of having a child with blue eyes is 25% Chance of having a child with straight hair is

50%

