

♂ = AaBBCCDdEeFFGgHh = 

How many different sperm can he produce?

♀ = AaBbccddEeFFGgHH = 

How many different eggs can she produce?

Child: aaBB Cc Dd ee FF gg Hh

What is the probability that the man and the woman can produce that child?

	A	a
A	AA	Aa
a	Aa	aa

	B	
B	BB	
b	Bb	

	C	
c	Cc	

	D	d
d	Dd	dd

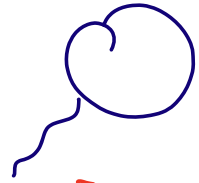
	E	e
E	EE	Ee
e	Ee	ee

	F	
F	FF	
f	Ff	

	G	g
G	Gg	Gg
g	Gg	gg

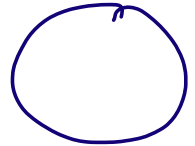
	H	h
H	HH	

♂ = AaBBCCDdEeFFGgHh



How many different sperm can he produce?

♀ = AaBbccDdEeFFGgHh



How many different eggs can she produce?

What fraction of the offspring are....

a) DDDRDRDR?

b) RDDDDDR?