

Punnett squares: Get two colored pencils!

dad: P1, P1
mom: P2, P2

① write the parent genotypes on top + left of Punnett square

	P1	P1
P2	P1P2	P1P2
P2	P1P2	P1P2

② bring their alleles down/across to the boxes in their row/column

③ calculate the genotypes + phenotypes of offspring.

fly
black: B
gold: b

mom: Bb
dad: Bb

	B	b
B	BB	Bb
b	Bb	bb

genotypes:
BB: $\frac{1}{4} = 25\%$
Bb: $\frac{2}{4} = 50\%$
bb: $\frac{1}{4} = 25\%$

phenotype
black: $\frac{3}{4} = 75\%$
gold: $\frac{1}{4} = 25\%$

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