

Case 14, Challenge 2: A Drake in Shining Colors

Use this sheet to keep track of the drakes you breed and the offspring that result from each mating. Some of these will serve as evidence to support your claim about how color is inherited. **Use more paper to track additional breeds.**

Advice for Journeymen

- Focus on the color trait; ignore the others.
- Save offspring in the stable and use them for breeding.

Breed #1: Start with one of the mothers you're given and the father you're given.

(a) _____ mother x _____ father
(color) (color)

Offspring Color	Total #	# Females	#Males

Shiny drakes: ____

Not shiny drakes: ____

(b) What can this breed tell me about how color is inherited?

(c) What offspring will you save for future breeding and why? (For example, "I will save a lava female because _____.")

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Breed #2: Use the other mother you're given and the father you're given.

(a) _____ mother x _____ father
(color) (color)

Offspring Color	Total #	# Females	#Males

Shiny drakes: ____

Not shiny drakes: ____

(b) What can this breed tell me about how color is inherited?

(c) What offspring will you save for future breeding and why? (*For example, "I will save a lava female because _____."*)

Breed #3: _____ mother x _____ father
(color) (color)

(a) Where did the parents come from?

Offspring Color	Total #	# Females	#Males

Shiny drakes: ____

Not shiny drakes: ____

(b) What can this breed tell me about how color is inherited?

(c) What offspring will you save for future breeding and why?

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Breed #3: _____ mother x _____ father
(color) (color)

(a) Where did the parents come from?

Offspring Color	Total #	# Females	#Males

Shiny drakes: ____

Not shiny drakes: ____

(b) What can this breed tell me about how color is inherited?

(c) What offspring will you save for future breeding and why?

Breed #4: _____ mother x _____ father
(color) (color)

(a) Where did the parents come from?

Offspring Color	Total #	# Females	#Males

Shiny drakes: ____

Not shiny drakes: ____

(b) What can this breed tell me about how color is inherited?

(c) What offspring will you save for future breeding and why?