

Notes From Take – Out #2

- A) ALWAYS remember parents because it lets you assess transgressive segregation.
- B) Discontinuous = discrete = qualitative. UNLESS you had a category for unknown (see final comments for unknowns).
- C) No matter how you counted, your results should be ~1:1
- D) No math errors
- E) Only 1 answer possible based on calculated X^2 (see final comments for unknowns).
- F) Accept
- G) Has to be 2, this is a diploid and parents are homozygous

Dealing with “unknowns” for hard – to – score data.

In biology there will always be situations where data are challenging. It is essential in “Materials and Methods” to describe how data were obtained + assessed. In this case, what is black and what is white? Criteria? What about “grey” or in between types, e.g. # __ , __ , __ ?

Approach 1) treat them as missing data (but lose sample size)

Approach 2) tell how you rated them (e.g. “I chose to rate all grey types black)

Approach 3) create a third category and thus forever complicate your life: e.g. a 1: __ : 1 ratio? Not recommended: you get the homework wrong and you never advance.