

Key

Score 112: Quiz 2

There are two sides to this quiz. You can use a calculator and a two-sided 3x5" notecard with anything written or typed on it.

- (1/22 discussion) For the following questions, consider the situation were you have very little time to study for a quiz (not necessarily for this class).

(a) [3] Identify two tactics you can use to effectively prepare for a quiz. (as many answers?)

- (+1) look at old quizzes from previous versions of the class
 • quiz a classmate over the material

(b) [2] Identify one tactic that some use to prepare for the quiz that is not as powerful/effective as the tactics you identified above. Explain why you think this.

(+1)

(+1)

- [3] (Lang) Lang begins discussing the complexities of design in Section 3 (assigned 1/24) and highlights several different factors that seem at odds with each other. Describe one pair of characteristics that appear at odds with each other that the origami designer must balance.

Increased complexity takes more paper + folds which makes the paper harder to work with.
 level of abstraction of an object with recognizing an object

- (Lockhart reading) For the following questions, consider *The Mathematician's Lament* by Paul Lockhart assigned 1/22.

(a) [2] Describe the nightmare that the musician had.

(+1) Music was a required course that all students had to take, except students were not allowed to play music, just write notes. Students did not get to play music until they were "advanced"

(b) [2] How does the nightmare by the musician parallel the mathematicians experience as described by Lockhart?

(+1) Lockhart thinks the musician's night mare is exactly what mathematicians are experiencing now. Students focus on writing math instead of doing math.

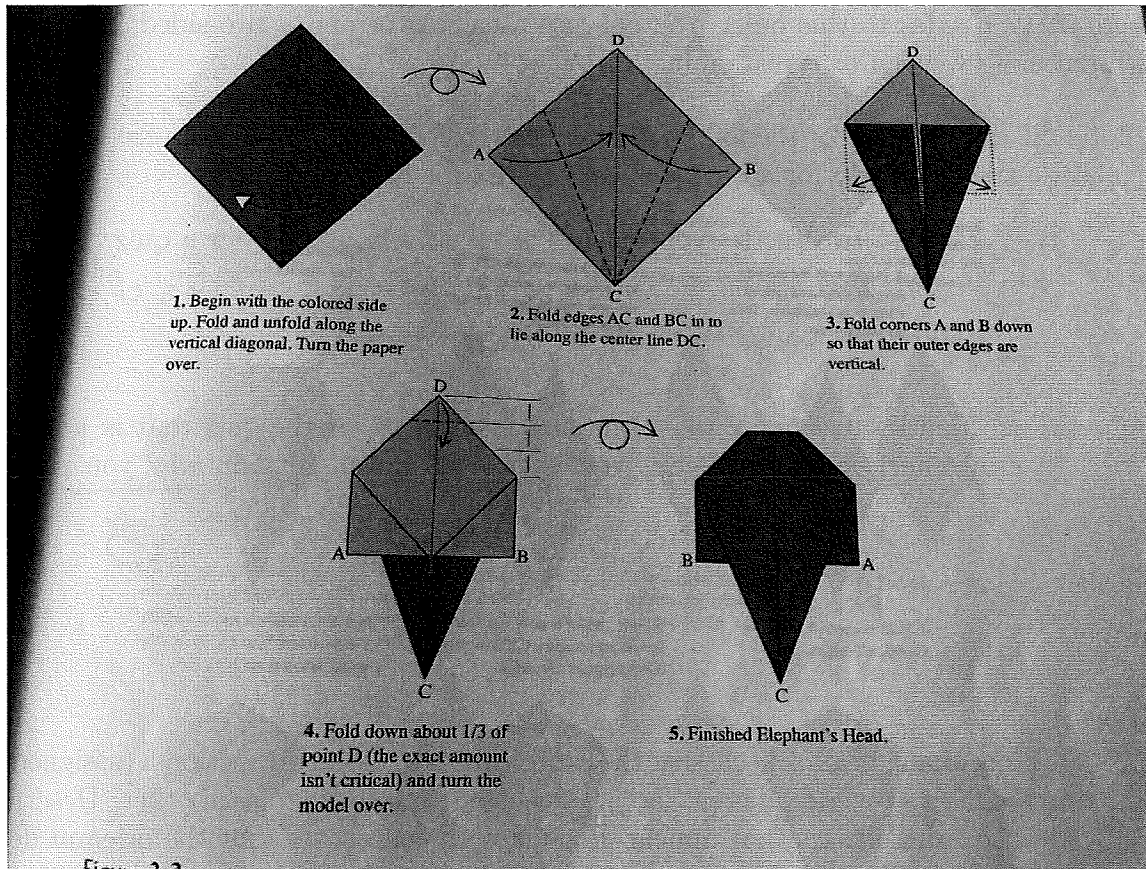
start (+.5)
clear (+.5)

start (+.5)
clear (+.5)
in Lang (+1)
pair at odds (+1)

start (+.5)
clear (+.5)

start (+.5)
clear (+.5)

4. [6] Fold the Elephant's Head whose directions are below and turn in the result with the quiz.



5. [2] Identify any techniques you used during this quiz to help you focus on the questions/material.

Start (+5)
 technique (+1)
 clear (+5)

Some things the class suggested:
 Rereading the question to make sure I answered it.
 listening to music
 skipping over problems I don't immediately know
 how to do & coming back to them
 Deep breaths
 Reading through the notecard