Georgian

I	ივნისი [ivnisi]
II	აპრილი [aprili]
III	ოქტომბერი [ok'tomberi]
IV	იანვარი [ianvari]
V	მარტი [marti]
VI	ნოემბერი [noemberi]
VII	აგვისტო [agvisto]
VIII	სექტემბერი [sek'temberi]
IX	მაისი [maisi]
X	თებერვალი [t'ebervali]
XI	დეკემბერი [dekemberi]
XII	ივლისი [ivlisi]
XIII	აგტისლისი [avtislisi] **wrong**

Armenian

A.	Հունիս [jounis]
B.	Նոյեմբեր [nojember]
C.	Մարտ [mart]
D.	Սեպտեմբեր [september]
E.	Հոկտեմբեր [hoktember]
F.	Օգոստոս [ohgostos]
G.	Փետե [pete] **wrong**
H.	Փետրվար [p'etrouar]
I.	Դեկտեմբեր [dektember]
J.	Ապրիլ [april]
K.	Մայիս [majis]
L.	Հուլիս [joulis]
M.	Հունվար [jounouar]

Logical Order

1.	Jan.	IV	M
2.	Feb.	X	H
3.	Mar.	V	C
4.	Apr.	II	J
5.	May	IX	K
6.	June	I	A
7.	July	XII	L
8.	Aug.	VII	F
9.	Sep.	VIII	D
10.	Oct.	III	E
11.	Nov.	VI	B
12.	Dec.	XI	I

K1

IX = May, H = February

K2

Fake folders are XIII in the yellow box and G in the green box.

K3

The folders should be ordered chronologically by month, i.e., January to December.

K4

Explain your answers.

Given 12 real folders and 1 fake folder, it is logical to posit that the labels stand for the names of months, and that the folders are organized chronologically January-December.

Assuming some phonological correspondence between the months in the three languages (English, Yellow Box Language, Green Box Language), one can search for patterns that can inform the matching of months to words in each box, i.e.,
a. months with similar endings as in January/February, and September/October/November/December.
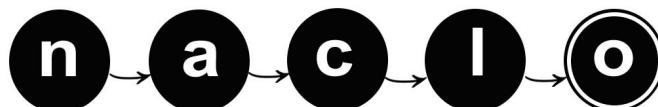b. months with similar initial letters for January/June/July, March/May, April/August.
c. word length

The following patterns emerge:
Yellow Box
a. I, IV, XII begin with the same symbol, as do January, June, July.

b. III, VI, VIII, XI share similar endings, as do September, October, November, December.

c. II and VII share initial letters, and may, therefore, be either April/August or March/May.

d. V and IX share initial letters, and may, therefore, be either April/August or March/May.

e. Looking at I, IV, and XII closely, and assuming (a) above, one can see that the first three letters of IV likely stand for the Jan of January, and with that in mind, the second symbol in IV stands for a, which helps one conclude that II and VII, which start with the same symbol, must be the April/August pair, leaving V and IX for March/May. The third symbol in IV must stand for n (Jan), which leads one to conclude that I must be June, and XII must, therefore, be July.

f. Given XII for July, and positing that the third symbol may stand for l, one can posit that of the April/August pair, II is April (it shares that symbol in penultimate position) and VII must be August (does not share that symbol since there is no l in August).

g. Given that II is April, the third symbol may stand for r, and one can posit that of the March/May pair, V which shares that symbol in third position is March, and, therefore, IX must be May.

h. Given that VII is August and it shares a symbol with the first symbol in VIII, likely the symbol for s, VIII must be September. VI must be November given that it begins with the symbol associated with the n in June and January. Also, Given VII for August, the symbol that likely stands for t is also the third symbol in III, which we can, therefore, posit stands for October. That leaves XI for December.

i. The fake folder is, therefore, XIII.

Green box:
a. Positing that September, October, November, December share endings in this language as they do in English, labels B, D, E, I must represent in some unknown order those four months.

b. Positing that January and February also share endings in this language as they do in English, labels H and M must represent those months.

c. Positing that January, June, and July start with the same sound/symbol, we conclude (given b above) that label M must stand for January, and, therefore, label H stands for February. That leaves labels A and L as labels representing June/July. Given the similarity of the fourth symbol in labels M and A, which we can assume stands for the n shared by January and June, label A must stand for June and label L for July.

d. If label H stands for February, label G must be the fake folder since no other month shares the same first sound as February in English.

e. The last symbol in labels B, D, E, I must stand for the final r in September-December. If so, then J which has the symbol in third position must stand for April, the month with an r in third position in English. The initial symbol for that label is not shared by any other month, suggesting that only April begins with an a in this language.

f. Labels C and K begin with the same symbol, which must stand for the m in March/May. Given the third symbol in label C which we have discovered must stand for r, label C is March and label K is May.

g. That leaves label F for August which in this language starts with an o, given the data, rather than a symbol corresponding for the initial letter a in August (the initial sound is still similar, though, for August in English and this language).

h. Last task is to determine the order of labels B, D, E, and I for September-December.

i. Label I must stand for December since no other month has a d sound and the initial symbol in I appears only in that label.

j. The second symbol in label I must stand for the e in December. That symbol appears in second position in label D, so that label must stand for September, which has an e in second position as is the case for the e in December in English.

k. B must be November since its initial symbol seems to be the uppercase of the lowercase symbol in A and M which we determined stands for n (in June and January).

l. That leaves label E for October.