3 – THE 99 TRICK

There are two people in this game, you and a friend.

Your part:

- Select a number between 10 and 49. This is the **answer**.
- Calculate 99 – **answer** and remember it. This is **factor**.

Friends part:

- Have your friend select a number between 50 and 99.
- Add the **factor** from above to that number.
- Remove the hundred's digit and add it to the units digit.
- Subtract this number from your friend's original number.
- The result should be the **answer** from above.

For example.

Your part:

- Pick 15 as the **answer**.
- Subtract 15 from 99, for a **factor** of 84.

Friend part:

- Pick a number: 72.
- Add 72 and 84 (the **factor**) for 156.
- Remove the hundred's digit and add it to the unit digit: 156 -> 56 + 1 -> 57.
- Subtract the picked number and the previous result, 72 – 57 giving 15, the **answer**.

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### ECO CS 18 ##
### Project 3 ##


We are going to play a game. I want you to pick a number then do a series of cal
culations. I bet I know what the result of those calculations will be!
*You* This will be the answer. Select a number between 10-49: 15
*Player* Pick any number 50-99: 72

I said the answer was 15 and the calculation result is 15
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