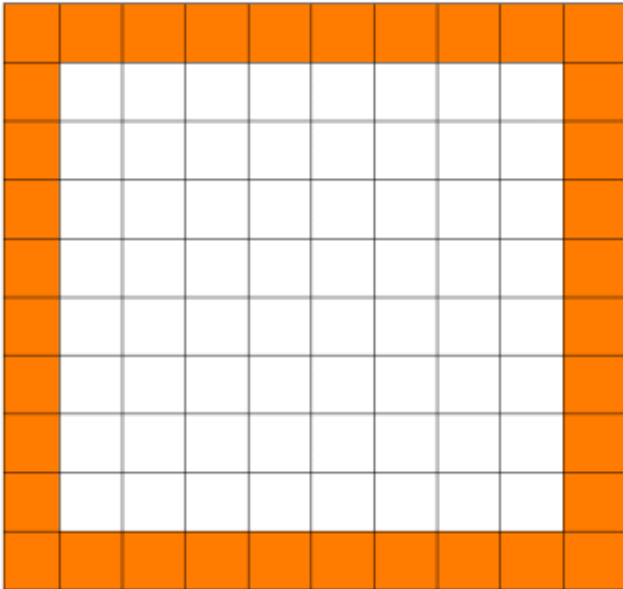


READ THIS WHOLE PAGE!!!

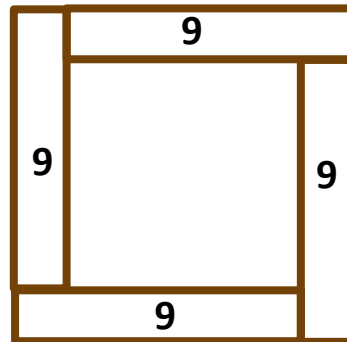
- ☐ Go to the last page of your binder. Label this page “Week 2 Warmups”
- ☐ Label today’s warmup with either “Monday” or today’s date.
- ☐ You will do all the warmups from this week on this page. You will need to hold on to this page all week and turn it in on Friday.
- ☐ If you always keep your warmup page as the last page of your binder, it will be easy to find every day!!!

Warmup $8/(6 - -6)$

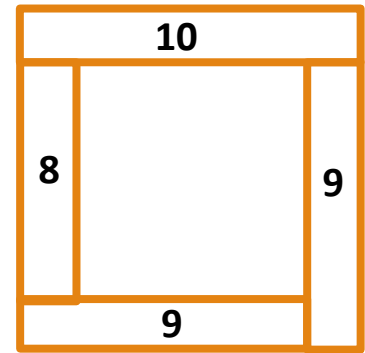
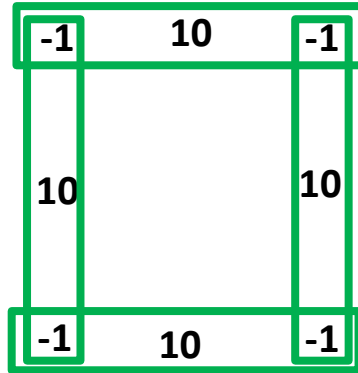
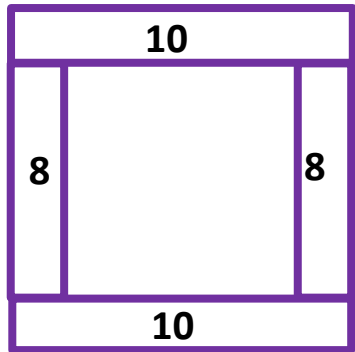
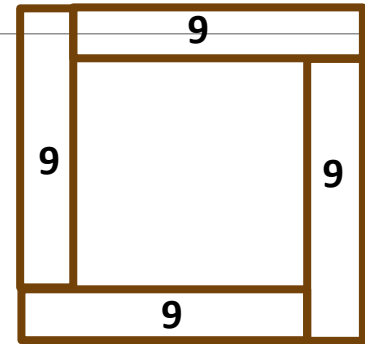
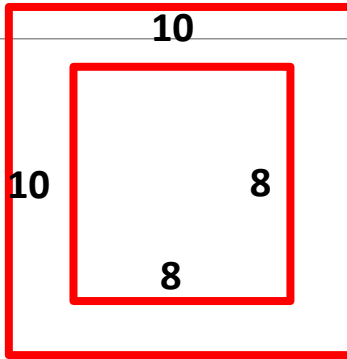
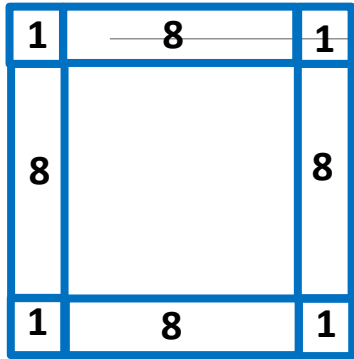
1) Below is the 10 by 10 square from the border problem. Try to remember all of the different methods to count them, and make a sketch for each method. One method has been given to get you started.



One possible method:

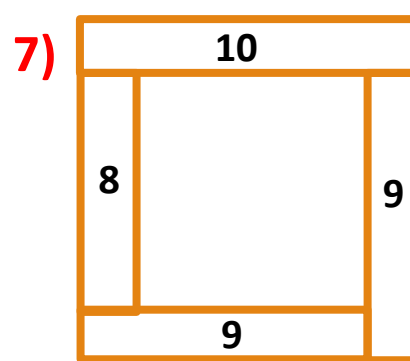
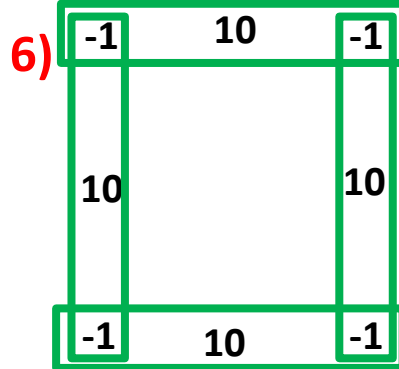
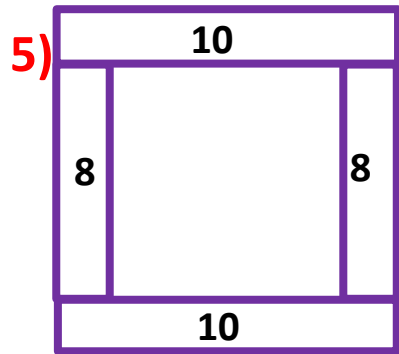
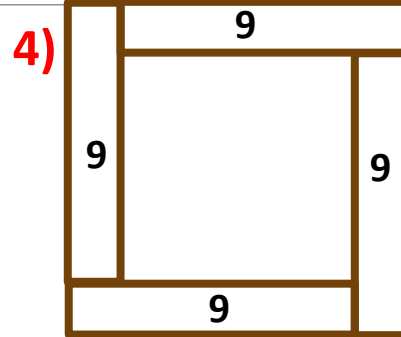
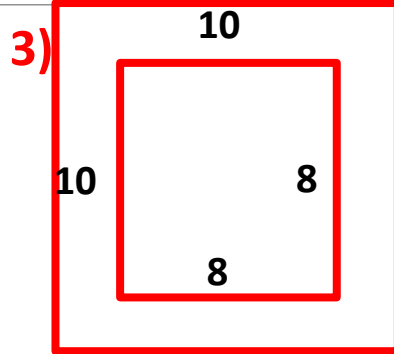
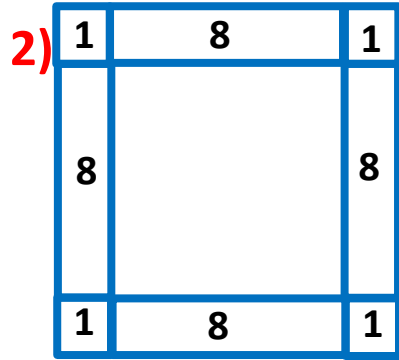


How would you calculate the number of border squares in a 30 by 30 square using each method?

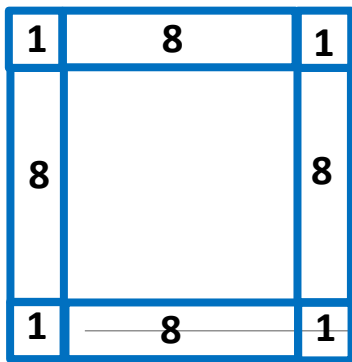


#2 – 7: MATCHING

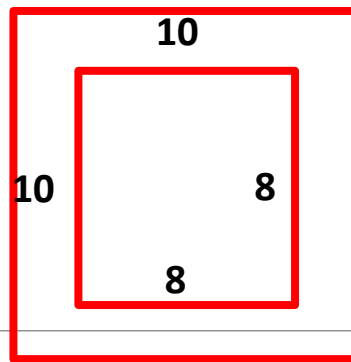
Below are six different methods of calculating the number of shaded border squares in a 10 by 10 grid. Match each method to the appropriate expression.



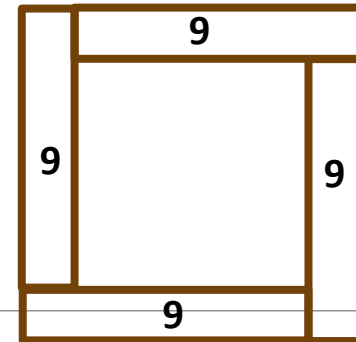
- A) $4n - 4$
- B) $4(n - 2) + 4$
- C) $2n + 2(n - 2)$
- D) $4(n - 1)$
- E) $n^2 - (n - 2)^2$
- F) $n + (n - 1) + (n - 1) + (n - 2)$



$$4(n - 2) + 4$$



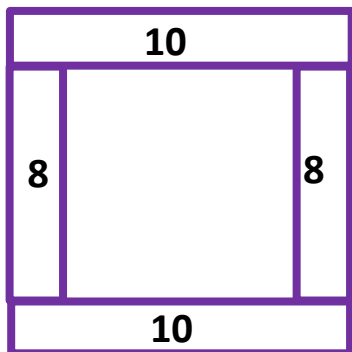
$$n^2 - (n - 2)^2$$



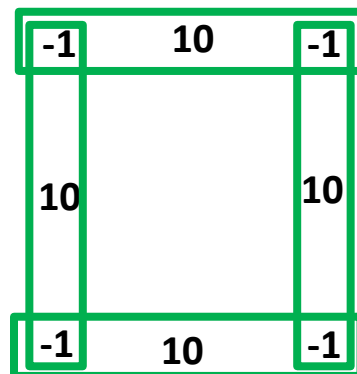
$$4(n - 1)$$

Since this was a 10 by 10, “n” is 10 in this case!!!

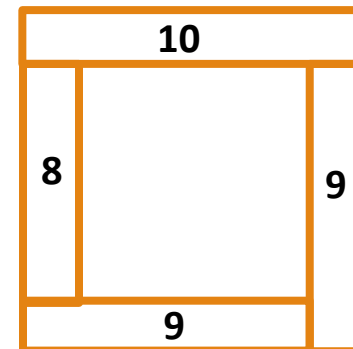
$$2n + 2(n - 2)$$



$$4n - 4$$

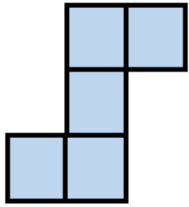


$$n + (n - 1) + (n - 1) + (n - 2)$$

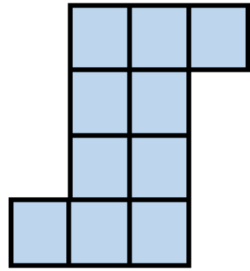


Go over Lischwe Age Problem

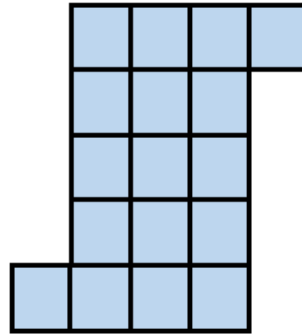
One more pattern...



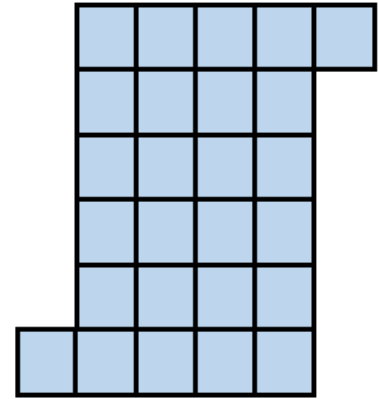
Step 1



Step 2



Step 3




Step 4

Group Project: Patterns Poster

You will start by working on a pattern individually. You will attempt to answer all the questions on the front of your sheet. There are several different patterns. After you have had time to work individually, I will put you with your group. (Which is not your table!)

COMPLETE, INDIVIDUALLY:

1. Draw step 5 and count how many units (squares, circles, etc.)
2. Draw a “quick sketch” of step 13 and calculate how many units
3. Complete the chart: 
4. Write an expression.

Step	Units
1	
2	
3	
4	
5	
13	
40	

EXPECTATIONS FOR WORKING IN GROUPS

(Poster)

Posters

- You will get your poster paper once I approve:
 - Your T-chart on the worksheet
 - Your “step 13” sketch
 - Your expression
- This is not due tomorrow – you will get more time in class to work on it

SEL TODAY:

- Go to the Meigs website (meigsacademicmagnet.org) and find the green “8th Grade SEL Survey” button. Complete the survey.
- You may use your device, but you must put it away when you are done unless you are letting another student borrow it.
- When you are done with the SEL survey, you may continue on your mandala project.