

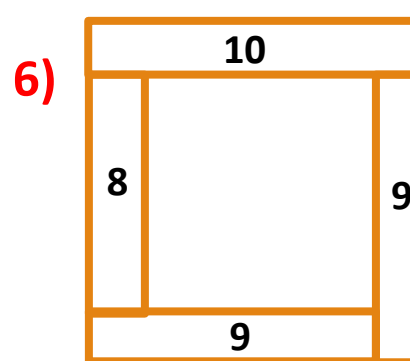
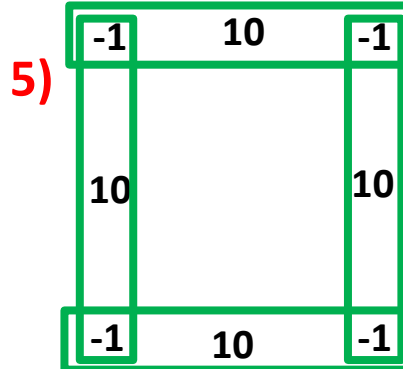
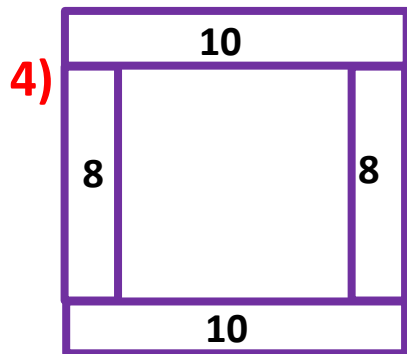
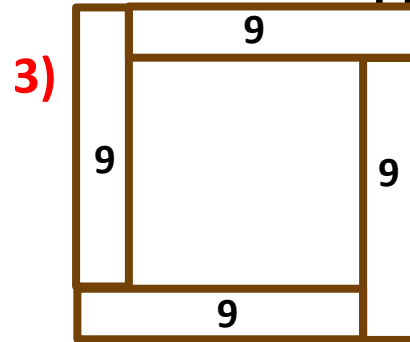
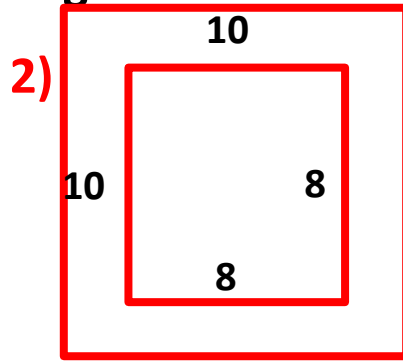
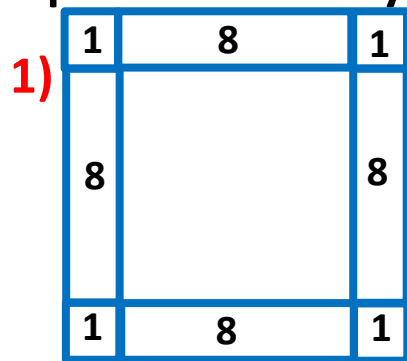
Please read!!!

- ❖ You will be working with the same partner as you did on Friday. You and your partner should be sharing a whiteboard, marker, and eraser. They should already be inside your desks. (Except for homeroom – get them from the cabinet!!!)
- ❖ Also, each person needs a calculator! (Either type)

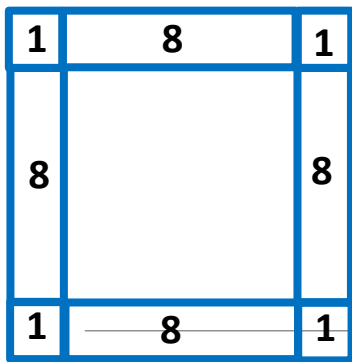
Warmup 8/(The number you are scared of if you have triskaidekaphobia)

Go to the LAST page in your binder, label it “Week 2 Warmups”. Label “Monday ” or today’s date and do today’s warmup on this page.

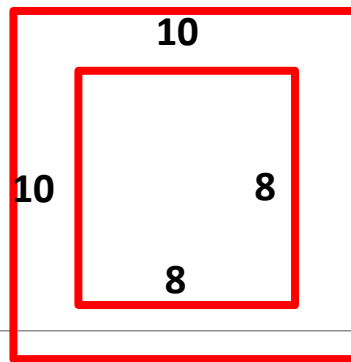
Below are six different methods of calculating the number of shaded border squares in a 10 by 10 grid. Match each method to the appropriate expression.



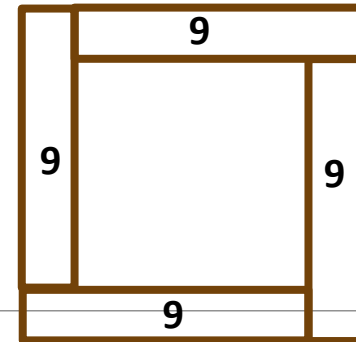
- A) $4n - 4$
- B) $4(n - 2) + 4$
- C) $2n + 2(n - 2)$
- D) $4(n - 1)$
- E) $n^2 - (n - 2)^2$
- F) $n + (n - 1) + (n - 1) + (n - 2)$



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



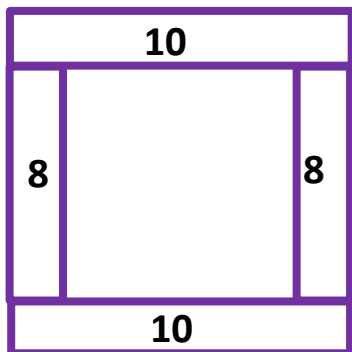
$$n^2 - (n - 2)^2$$



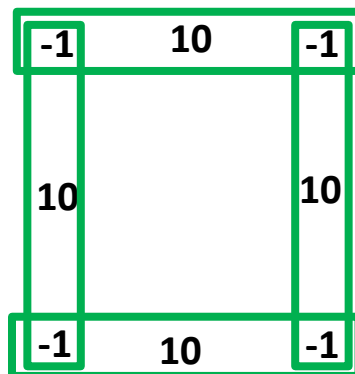
$$4(n - 1)$$

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

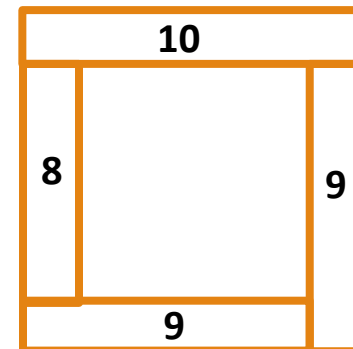
$$2n + 2(n - 2)$$



$$4n - 4$$



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



Class Jobs...

2nd Period – need a Folder Alphabetizer

3rd Period – need pretty much everything

5th Period – need 2 paper-passer-outers, a HW collector, and a Folder Alphabetizer

6th Period – need 1 paper-returner and 3 whiteboard material collectors

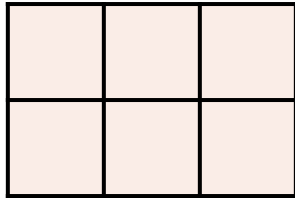
On your calculator...

1. Enter the first three digits of your phone number (**not** the area code) into a calculator.
2. Multiply this 3-digit number by **80**.
3. Add **1**.
4. Multiply by **250**.
5. Add the last 4 digits of your phone number.
6. Add the last 4 digits of your phone number again.
7. Subtract **250**.
8. Divide number by **2**.

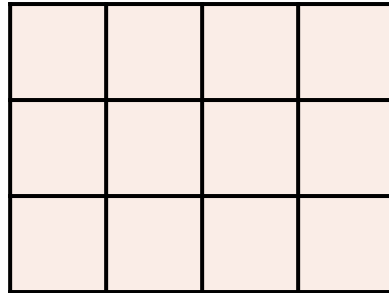
2 different methods to calculate the # of squares...



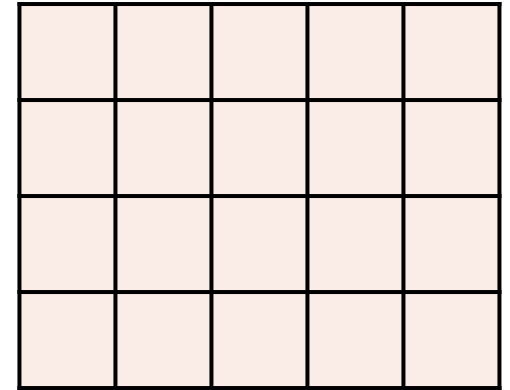
Step 1



Step 2



Step 3



Step 4

Another pattern



Step 1



Step 2



Step 3

Draw the next step. How many snowflakes are there?

Step 40? (With picture!)

Expression using “n”?



Step 1

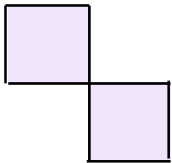


Step 2

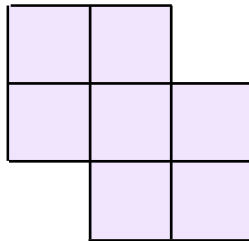


Step 3

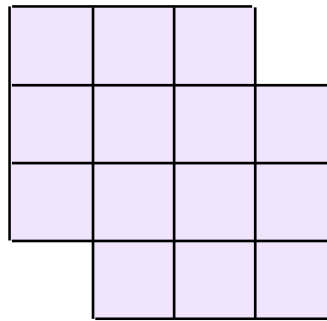
Another pattern



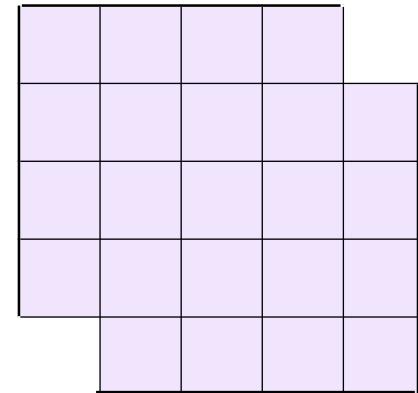
Step 1



Step 2



Step 3

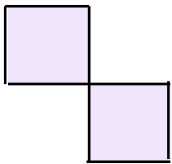


Step 4

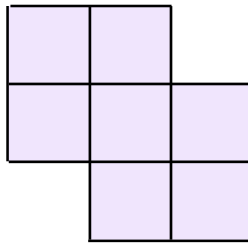
Next step?

Step 40? (With picture!)

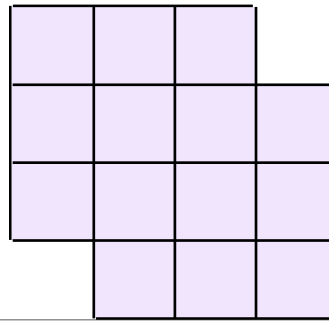
Expression using “n”?



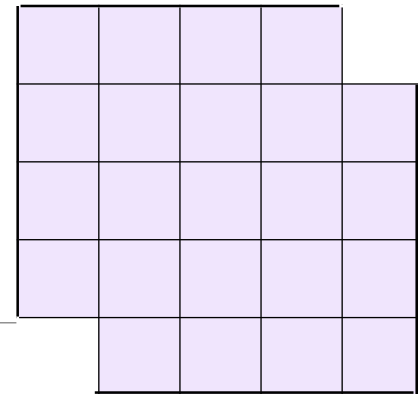
Step 1



Step 2



Step 3



Step 4



Homework (Due Tomorrow)

Visual Patterns Worksheet