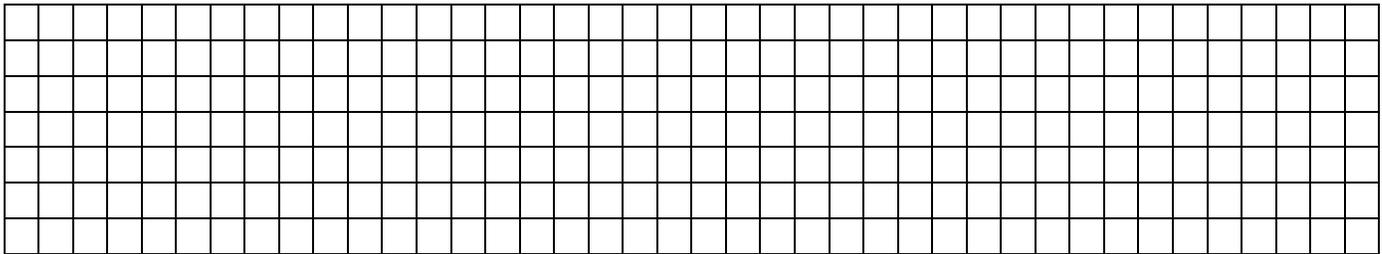Pentomino Task Independent Reflection
Part 1: The Mathematics

1. What topics in math did this task require you to use?

2. What different skills/abilities did you need?

3. Make a shape using 2 Pentominoes. Now create the same shape using 2 *different* Pentominoes. Draw them on this grid:
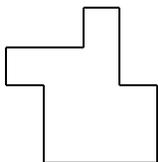
4. Do all the Pentominoes have the same perimeter?   YES   NO

If YES, what is the perimeter?

If NO, name 2 different perimeters:

5. There are 12 different Pentominoes, each with 5 boxes. What would be the area of a rectangle using all 12? (how many boxes total?)

6. Could you form a 6x6 square? Explain in words or pictures why or why not.

7. List 5 dimensions of rectangle that you **can** make using Pentominoes:

8. List 2 dimensions of rectangle that you **can't** make using Pentominoes:

9. Divide this silhouette into two real Pentominoes. There is more than one answer!

Pentomino Task Independent Reflection
Part 2: Group Dynamics

For 1 and 2, mark a dot on the spectrum reflecting your feelings.

1. How interesting did you find your work in the group?

Very ←—————————————————————————→ Not at all
interesting!   interesting : (

2. How difficult did you find your work in the group?

Extremely
Difficult ←—————————————————————————→ Very
                                                          easy

3. Did you understand exactly what the group was supposed to do?
    a) I knew just what to do
    b) At first I didn't understand
    c) It was never clear to me

4. Was there one skill or ability on which you thought you did very well?

5. How many times did you have the chance to talk during the group session?
    a) None
    b) One or two times
    c) Three or four times
    d) Five or more times

6. If you talked less than you wanted to, what were the main reasons?
    a) I felt afraid to give my opinion
    b) Somebody else interrupted me
    c) I was not given the chance to give my opinion
    d) I talked as much as I wanted to
    e) I was not interested in the problem
    f) I was not feeling well today

7. Did you get along with everybody in your group?
    a) With none of them
    b) With about half of them
    c) With all but one of them
    d) With all of them

8. How many students listened to each other's ideas?
    a) None of them
    b) About half of them
    c) All but one of them
    d) All of them