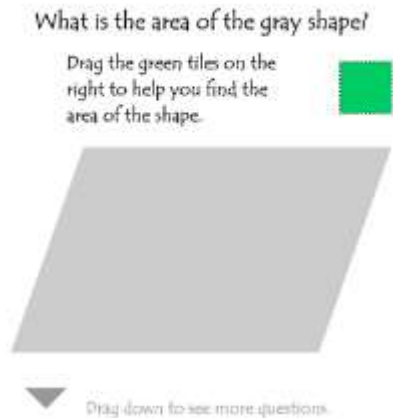


## Activity: Area of Parallelograms

Mathematician Name: \_\_\_\_\_

Find the area of a parallelogram by using the virtual manipulative pictured below.



[https://www.msu.edu/~stemproj/flash/parallelogram/parallel\\_drag.html](https://www.msu.edu/~stemproj/flash/parallelogram/parallel_drag.html)

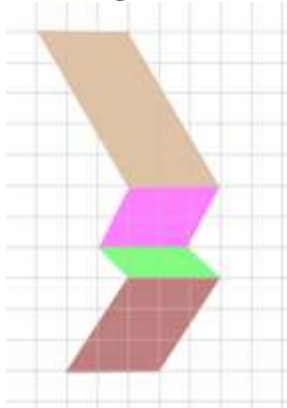
### Questions for Explore:

1. How did you find the area of the parallelogram? Why do you think your strategy works?
2. Do you think there's more than one right way to do this?
3. Do you think your answer is the right answer? Why or why not?
4. Can you find a formula for finding the area of any parallelogram?
5. What is the relationship between the area formulas of rectangles and parallelograms?
6. What are the units for your answer?
7. Are the units for length or area? Does it matter? Why or why not?

**Activity: Area of Parallelograms**

**Mathematician Name:** \_\_\_\_\_

**Challenge Question:** Is there a “most efficient” way to solve this problem? (From EM, grade 5)

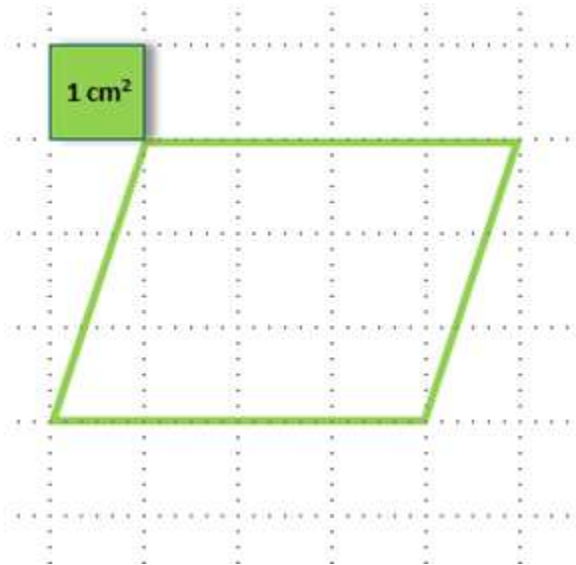


**Activity: Area of Parallelograms**

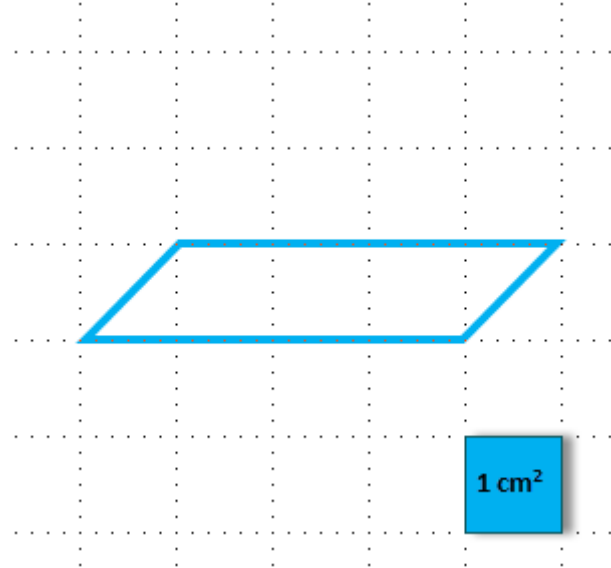
**Mathematician Name:** \_\_\_\_\_

**Worksheet 1:** Find and label the base and height for each figure below. Then find the area, showing or explaining your method.

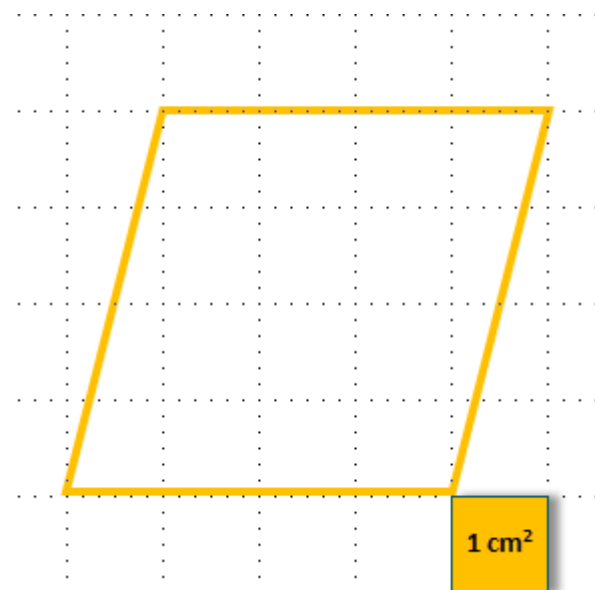
1.



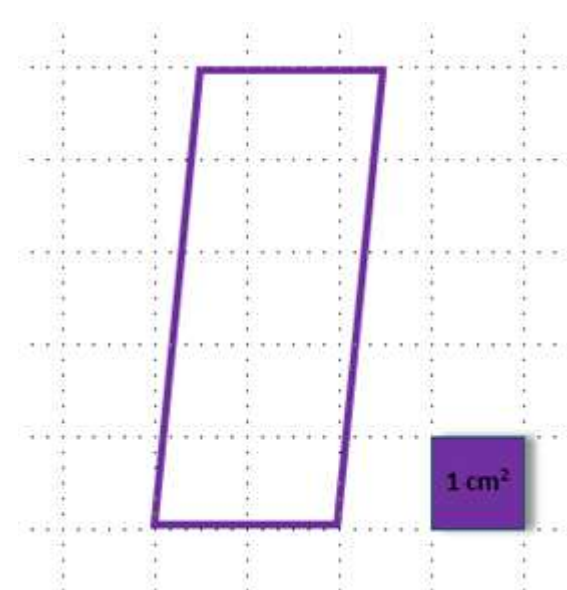
2.



3.



4.

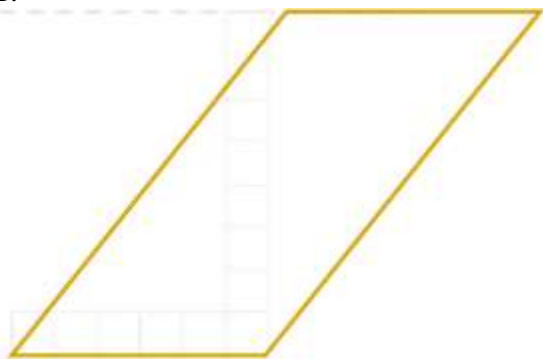


**Activity: Area of Parallelograms**

**Mathematician Name:** \_\_\_\_\_

**Worksheet 2:**

1.



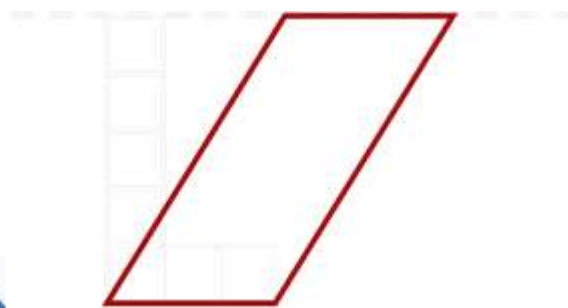
2.



3.



4.

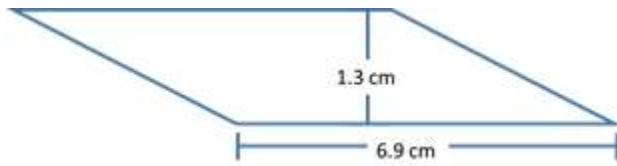


Activity: Area of Parallelograms

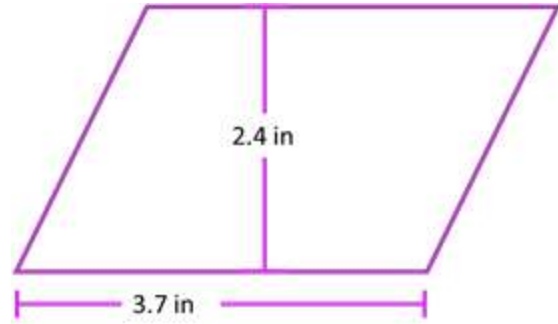
Mathematician Name: \_\_\_\_\_

Worksheet 3:

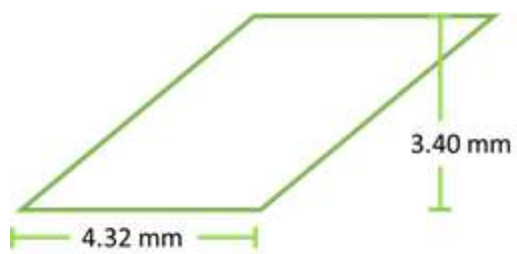
1.



2.



3.



4.

