

Name\_\_\_\_\_#\_\_\_\_\_

Date\_\_\_\_\_Pd\_\_\_\_\_

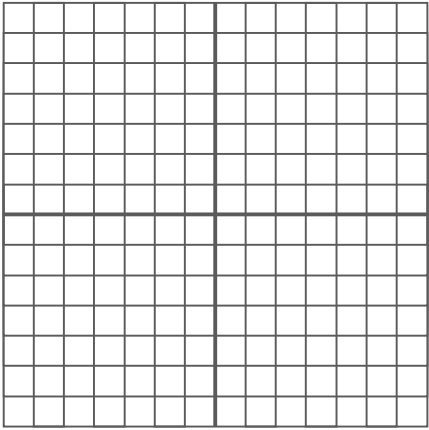
## Chapter 6 Final Project: FLIPBOOK

### Requirements:

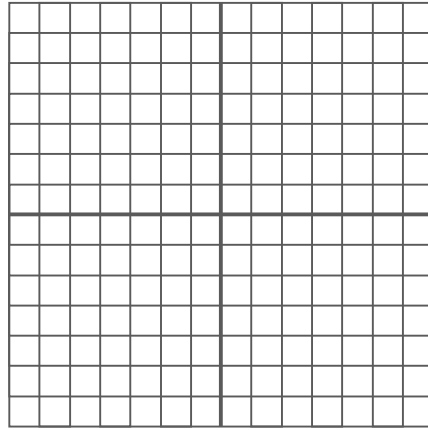
- 16 images
- 4 different changes: translation, rotation, reflection and dilation
- Written descriptions (complete sentences) of changes
- Colored, Neat, Creative, in order

### Directions

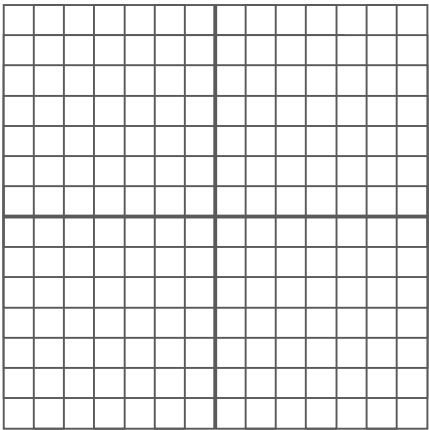
1. Think of a simple image and how it could move on a grid using transformations.
2. Draw the image on grid #1 using pencil.
3. Draw the image on grid #2, but with a transformation.  
**\*Hint - If you want to make the image seem like it's moving throughout the flipbook, only translate it 1 unit per page.\***
4. Repeat Step 3 for the rest of the grids, be sure to use all 4 transformations.
5. Color your grids, then cut them out.
6. Order the pages from least to greatest. (Page 1 should be your smallest, and Page 16 should be your largest.)
7. Staple the book together on the left side.
8. For 4 pages pairs (one for each type of transformation), write in pencil on the back of the first page a written description of the transformation.  
Ex. The oval slid 1 unit left and 1 unit down.
9. Double-check the requirements before turning it in.



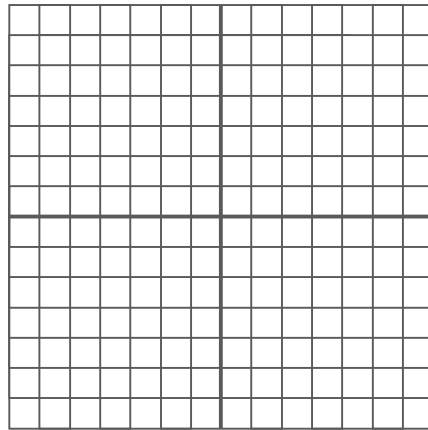
1



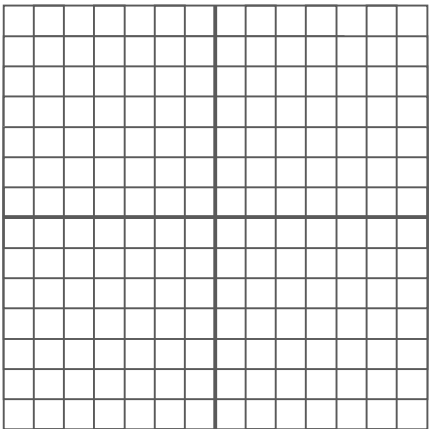
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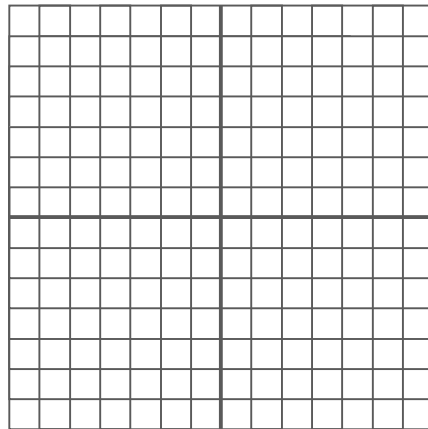
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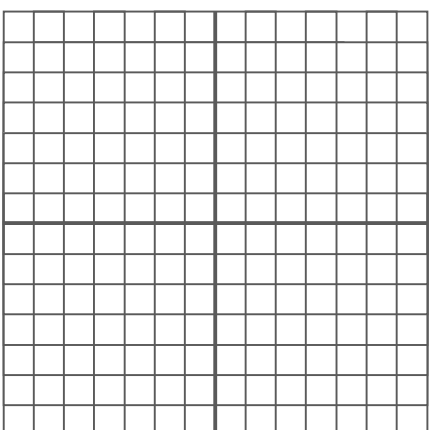
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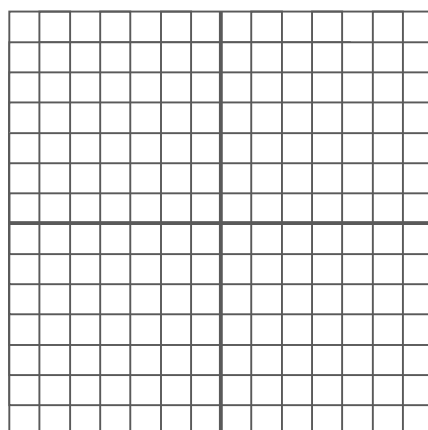
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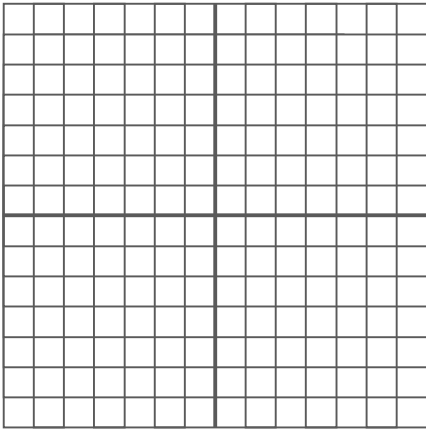
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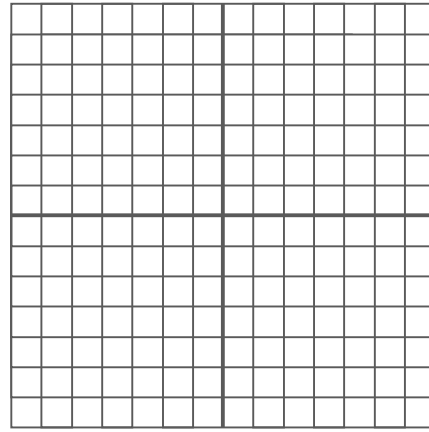
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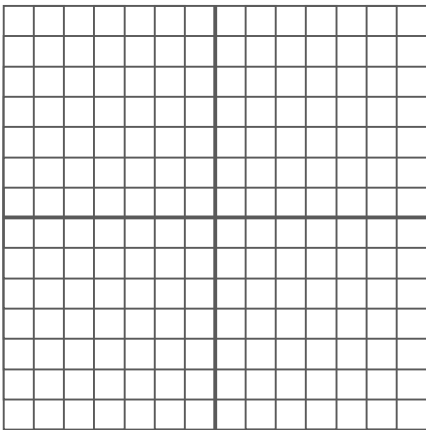
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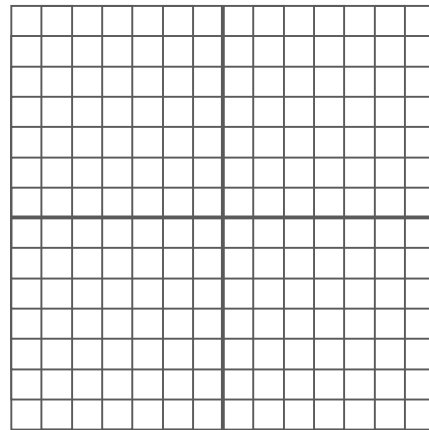
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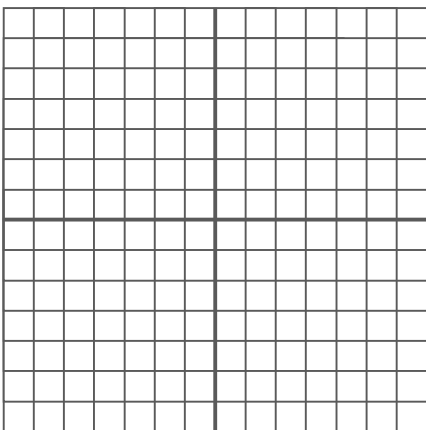
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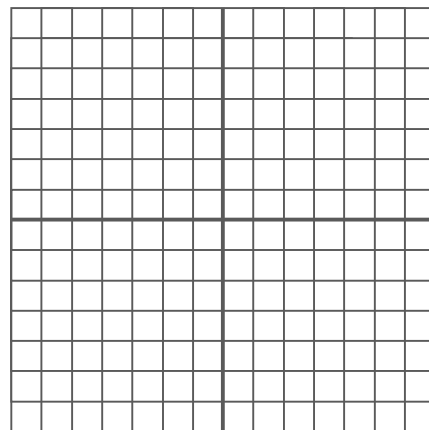
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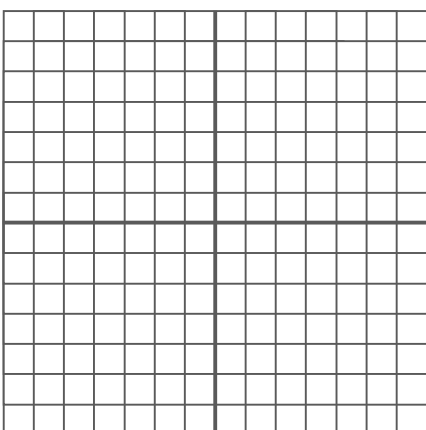
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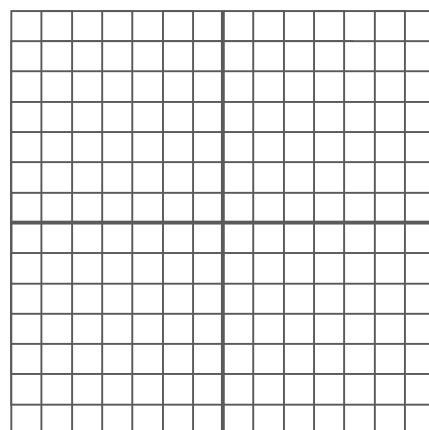
13



14



15



16