

**Title of Book:** Seeing Symmetry  
**Author:** Loreen Leedy  
**Publisher/Year:** Holiday House/2012  
**ISBN:** 978-0823423606

**Grade Levels for Recommended Use:** 4<sup>th</sup>

**TEKS:**

4.6 Geometry and measurement. The student applies mathematical process standards to analyze geometric attributes in order to develop generalizations about their properties. The student is expected to:

(B) identify and draw one or more lines of symmetry, if they exist, for a two-dimensional figure;

**Brief Summary:** The book is about symmetry in shapes, words, letters, art, and nature. It shows line symmetry and rotational symmetry using illustrations.

**Materials needed:**

- Worksheet
- Paper Pattern Blocks

**Suggested Activity:**

1. Play read-aloud of "Seeing Symmetry" by Loreen Leedy
2. Ask students to look for symmetry in the illustrations as they listen
3. When book opens on the title page, ask students to predict meaning of "symmetry"
4. After reading, hand out symmetry worksheet with 4 problems
5. Demonstrate on board how to find lines of symmetry for 1 problem
6. Ensure students understand what to look for in the other problems
7. Distribute paper pattern blocks to each table group
8. Explain students can fold blocks to better see symmetry lines if needed
9. As students work, circulate to assist
10. Bring class back together when finished

11. Ask students to share observations about symmetry and what they learned

**Reference:**

Read aloud of *Seeing Symmetry* by Loreen Leedy:

[https://www.youtube.com/watch?v=GL0Cvu\\_7pKY](https://www.youtube.com/watch?v=GL0Cvu_7pKY)

Paper pattern block: <https://raebear.net/goodies/patternblocks/shape-templates-multi-shape-thick.pdf>

Worksheet: [Worksheet.pdf](#)

**Adapted by:** Ashlynn Colson (2023)

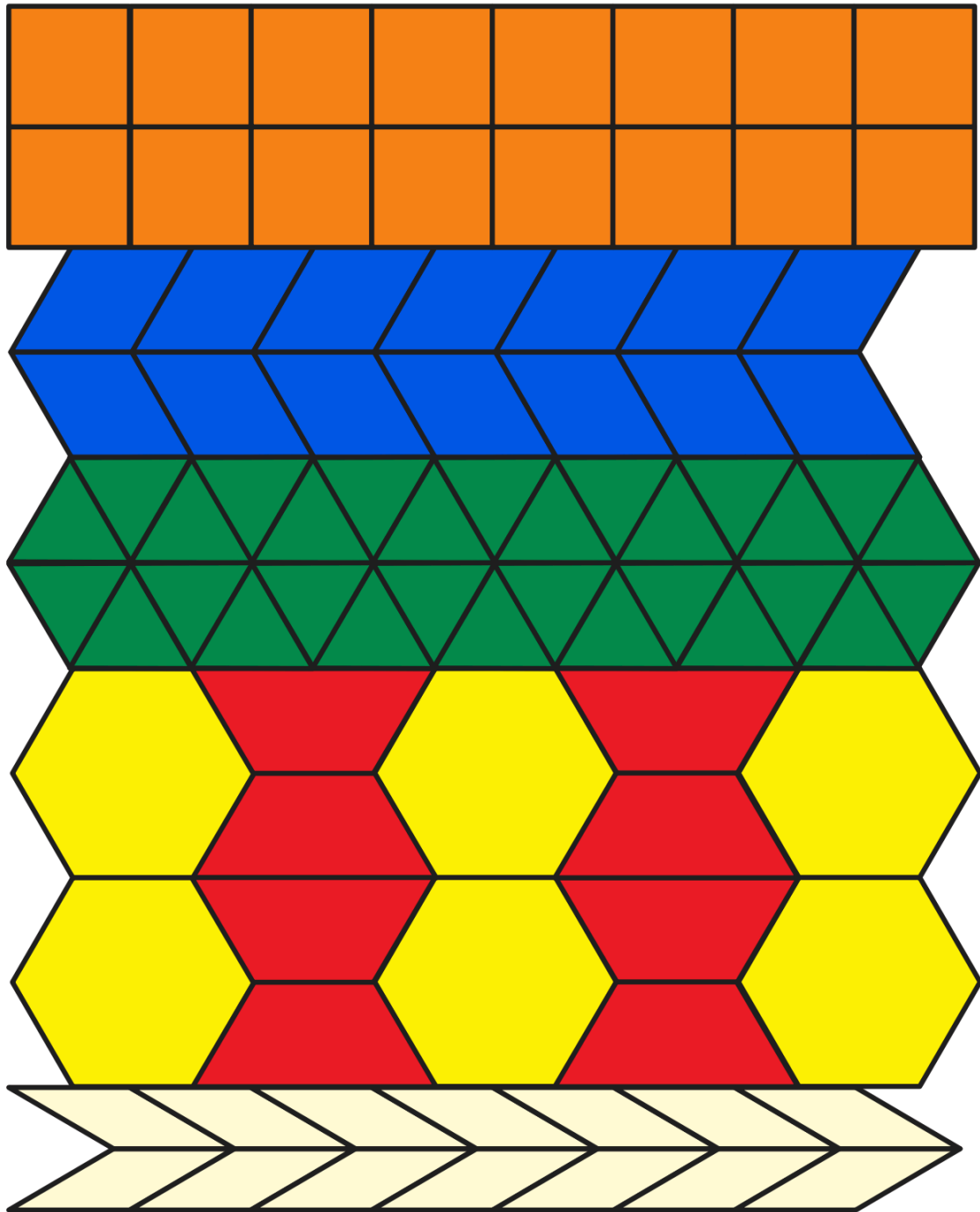


Figure 1: Paper Pattern Template

# Find the Symmetry



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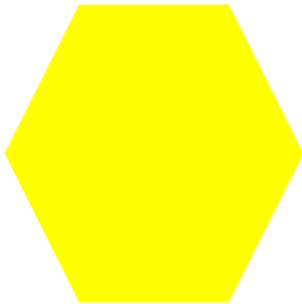
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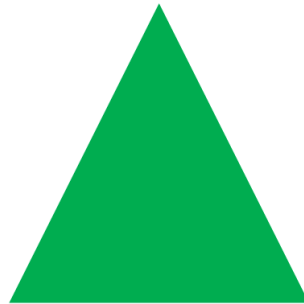
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Figure 2: Symmetry Worksheet