

Grade 1: Geometry-Shape

DMTI VARIED PRACTICE

DMTI Varied Practice Worksheets

This ppt displays the worksheets that have varied situations (context, visual, equations, and other mathematical models) for children to work on. By completing these worksheets, children increase their foundational skills in the topic, which will help them with these standards and future mathematical topics.

1. If using a journal, have children present the worksheet and complete all the problems.
2. Or print the 'Varied Practice Worksheet Slide' using the link below for them to work on. Then, you can return to the ppt to look at the keys to check their work.

Grade 1: Geometry-Shape

Materials Needed

Printed copies of the Attribute and Shape cards

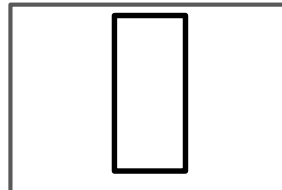
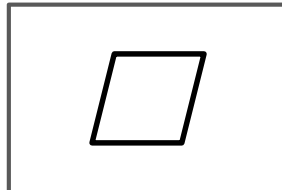
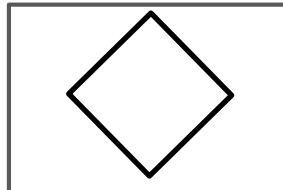
Scissors

Instructions

1. Print and cut out both the Attribute and Shape card sets.
2. Lay the Attribute cards face down in a single deck and the Shape cards face up, spread out so you can see the shapes on each card.
3. Select an Attribute card. Try to find all of the Shape cards that match the attribute listed.
4. Lay the Attribute card to the side so you do not use it again. Replace the Shape cards.
5. Continue until all of Attribute cards have been used. You can draw copies of the shapes on the Attribute cards.

Note: Screen resolution or the device used to print the practice sheet may adjust the shapes' appearances in ways that do not match the key. If students can use measurements to justify their answers, the answers should be considered correct even if the key says otherwise.

Example:



The shapes have four sides.

Terms to Review

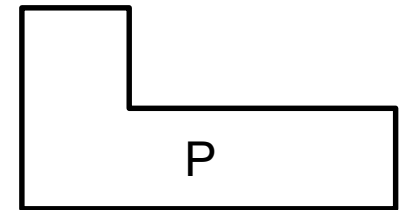
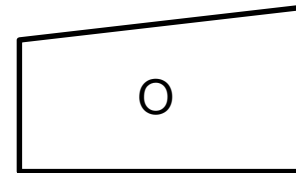
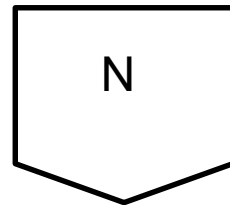
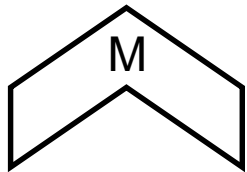
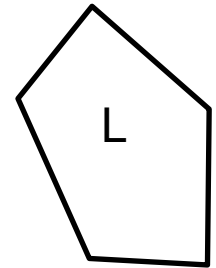
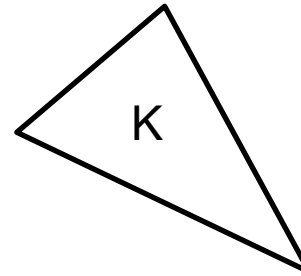
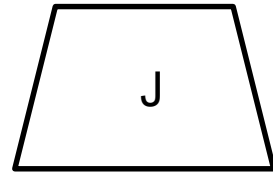
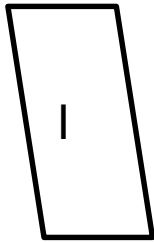
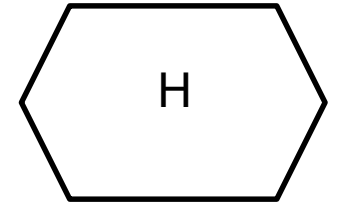
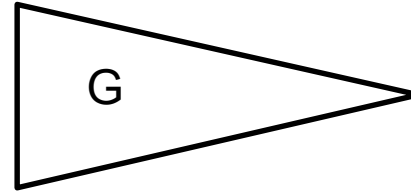
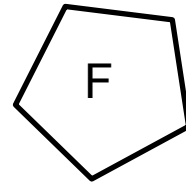
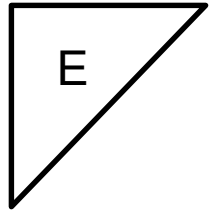
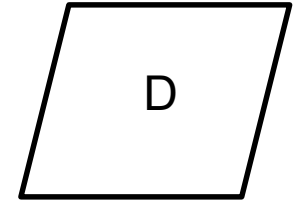
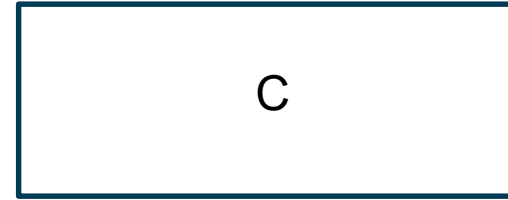
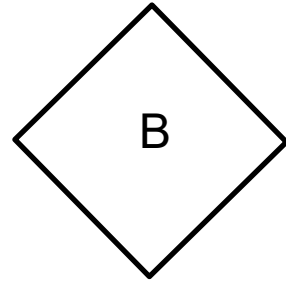
Square angle: It can be called a square angle because when a square is put in the corner of the shape, two sides of the square line up with the same sides of the shape-see the black square on the orange square. This term is used with younger children to make sense of what will later be referred to as a 90 degree angle. It is difficult to describe rectangles without addressing the angles.



Parallel lines: Two sides that will never touch or intersect if extended. The orange sides are the parallel sides. We can talk about these sides compared to straight railroad tracks if this is helpful. Parallel sides become important when describing trapezoids.



Congruent: same size



The shapes have at least one square angle.

The shapes are triangles.

The shapes are pentagons.

The shapes are hexagons.

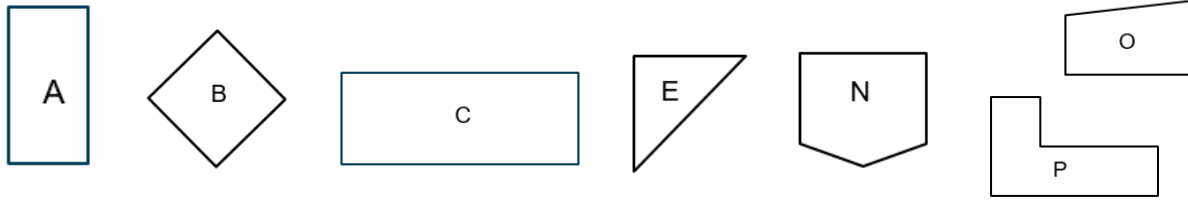
The shapes are rectangles.

The shapes are four sided.

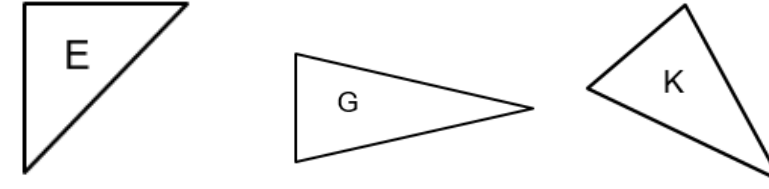
The shapes have at least one pair of parallel sides.

The shapes have all congruent sides.

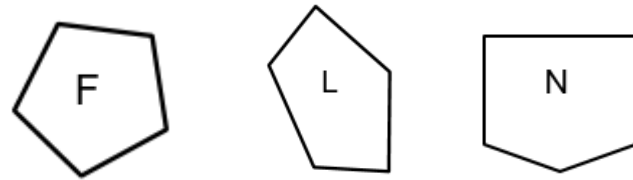
The shapes have at least one square angle.



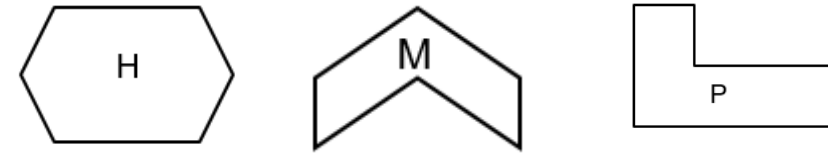
The shapes are triangles.



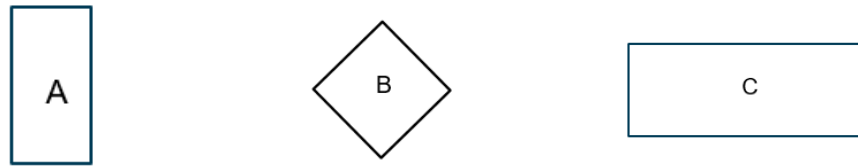
The shapes are pentagons.



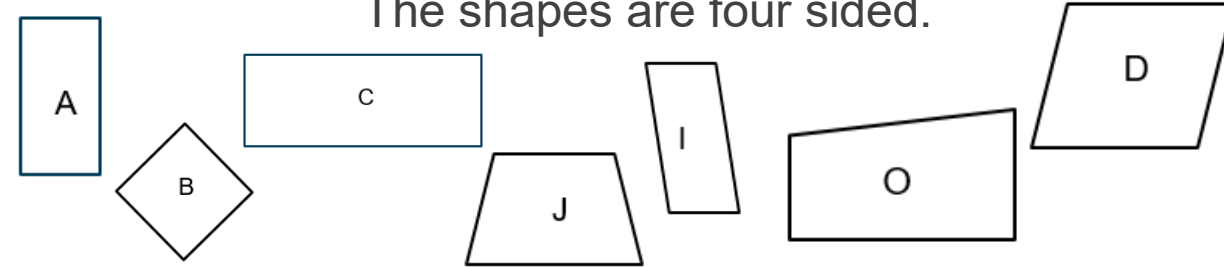
The shapes are hexagons.



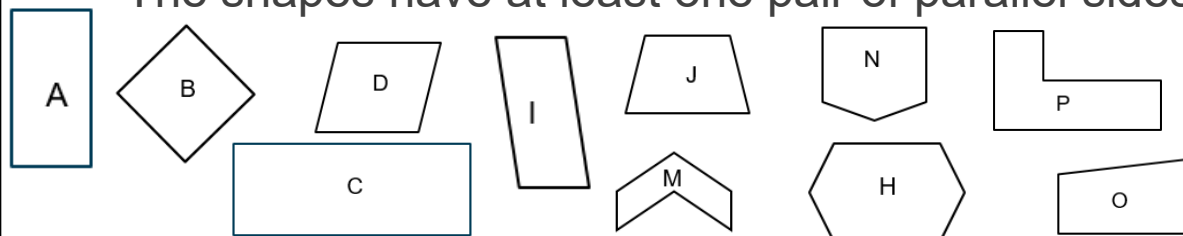
The shapes are rectangles.



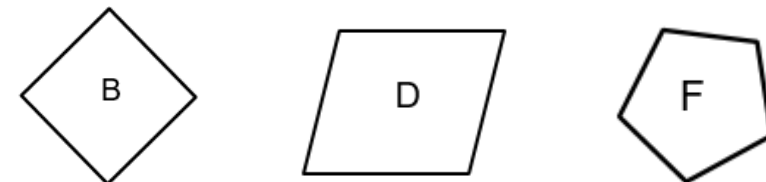
The shapes are four sided.



The shapes have at least one pair of parallel sides.



The shapes have all congruent sides.



Grade 1: Geometry-Shape

Materials Needed

Print Worksheets 2.1-2.4 (optional)

Pattern blocks [DMTI math pack] or print 2 copies of the Pattern Block Template

Instructions

Part 2

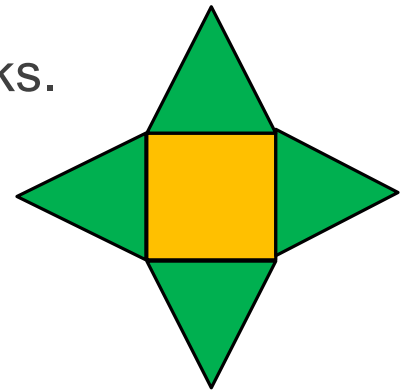
1. Child composes the given design with pattern blocks or cut-out pattern blocks.

2. Then have the child describe the design with the sentence frame:

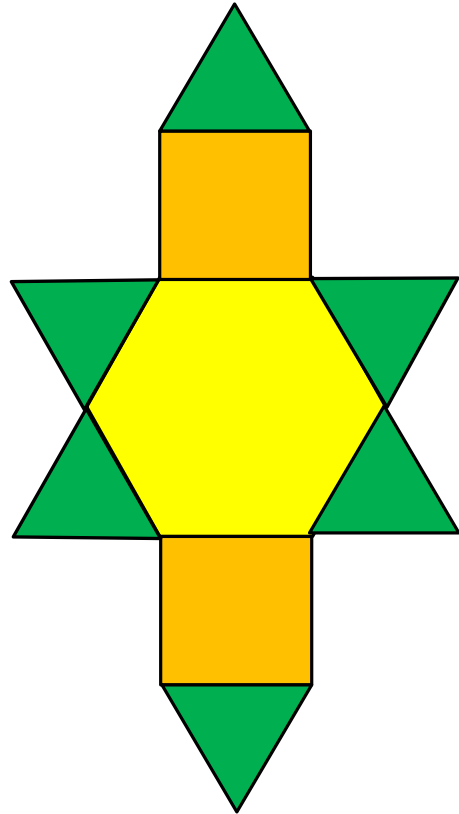
“I used ___ shapes to compose this design.” (total shapes and each type)

“I used five shapes to compose this design; one square and four triangles.”

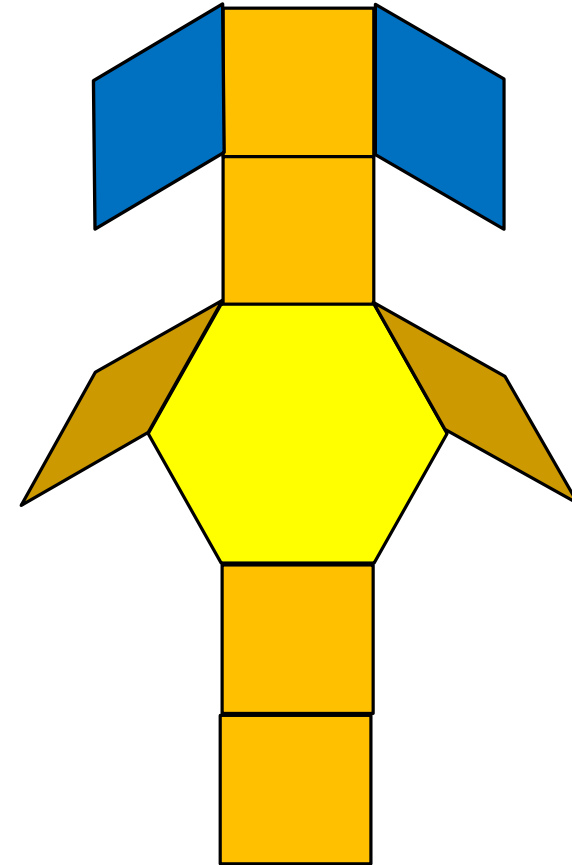
Note: No answer key is provided since children can compose the designs with different pattern blocks



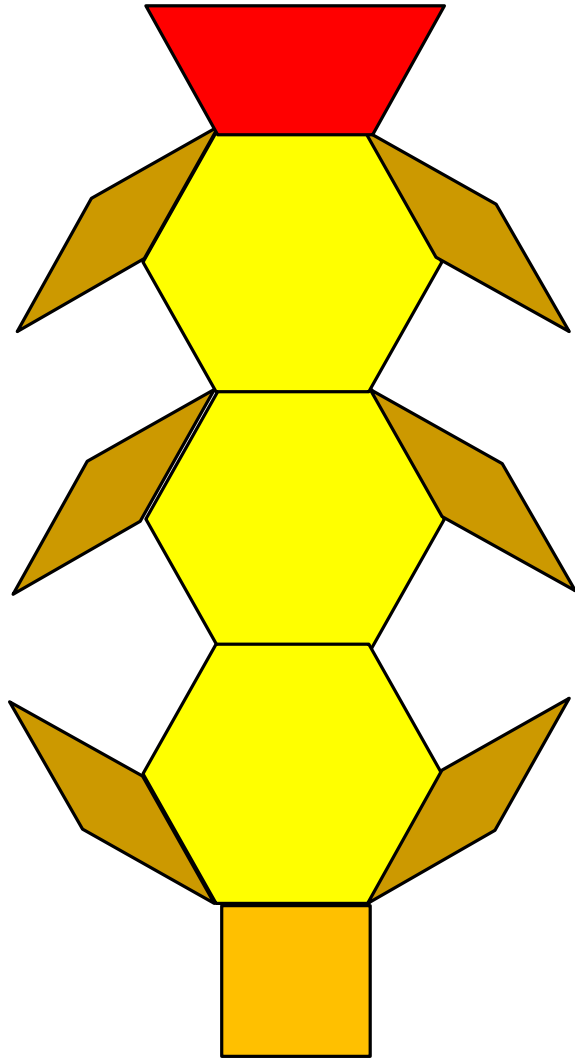
1.



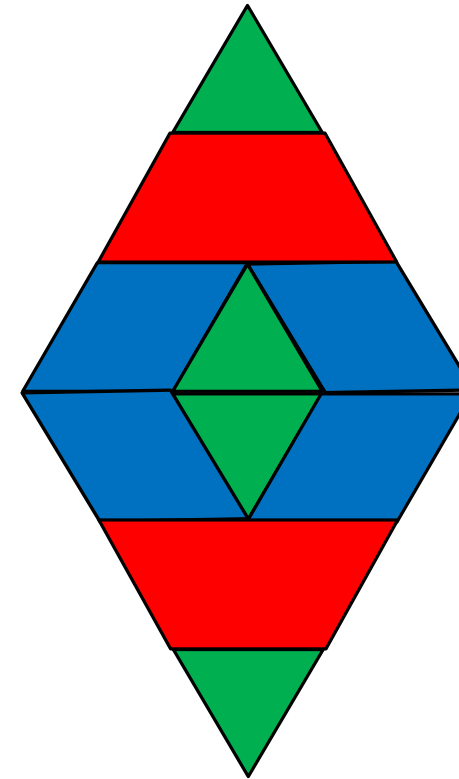
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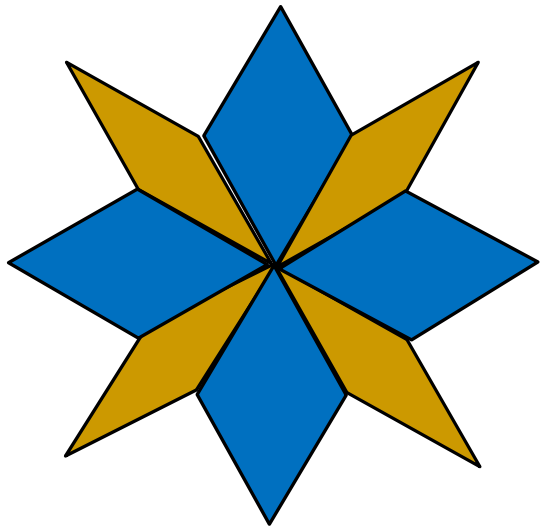
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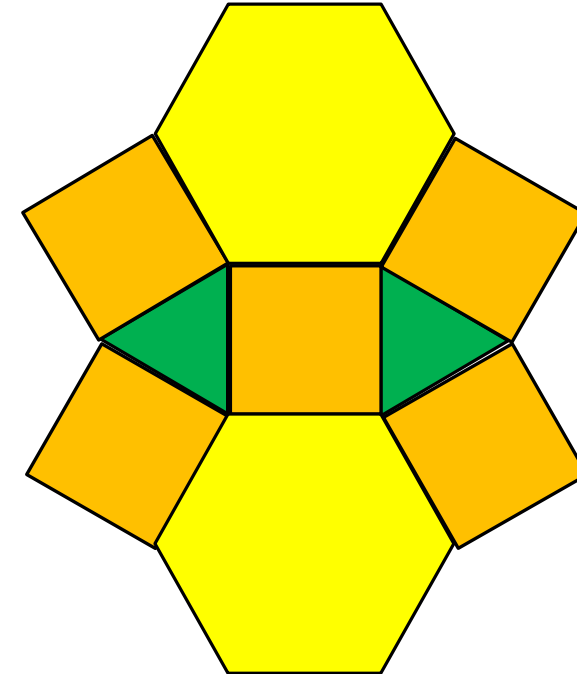
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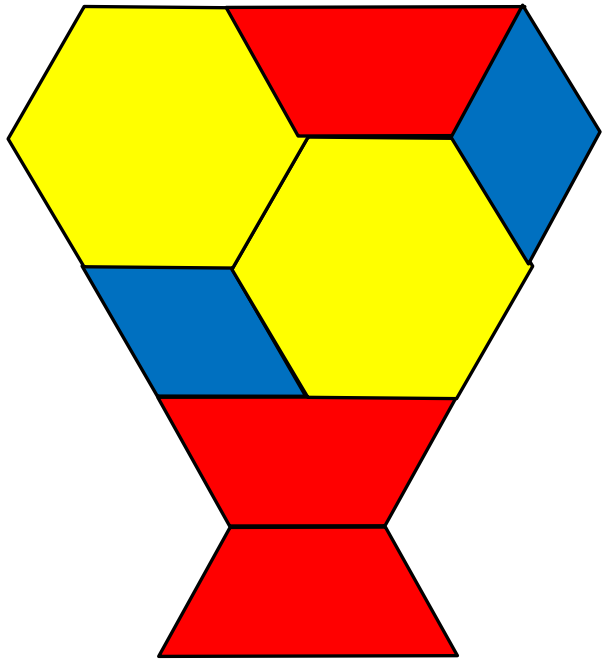
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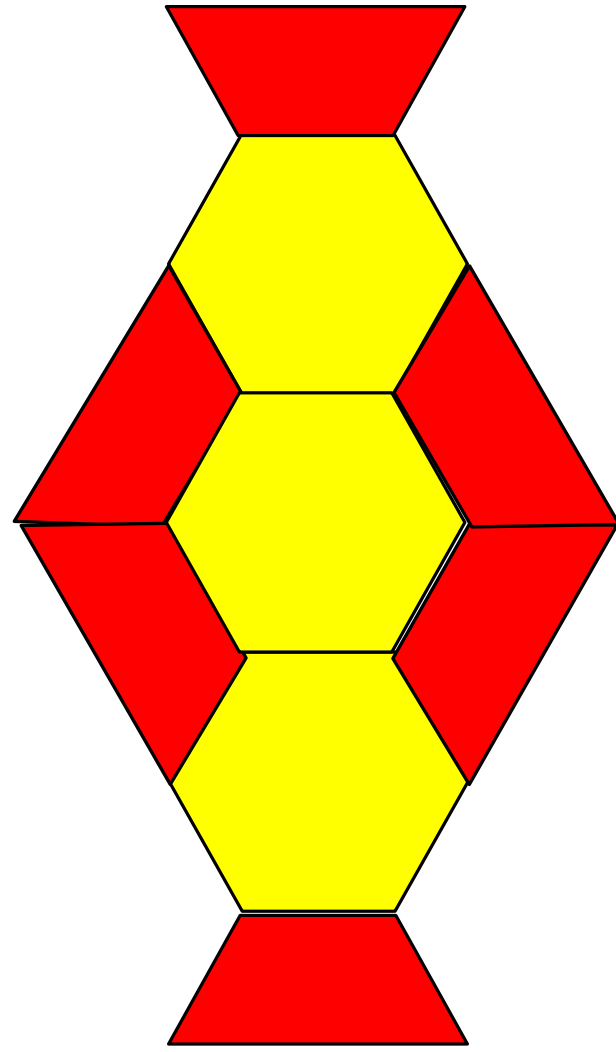
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7.

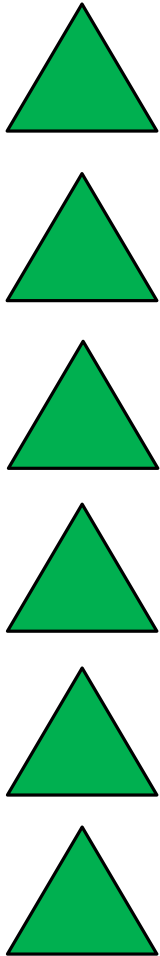


8.

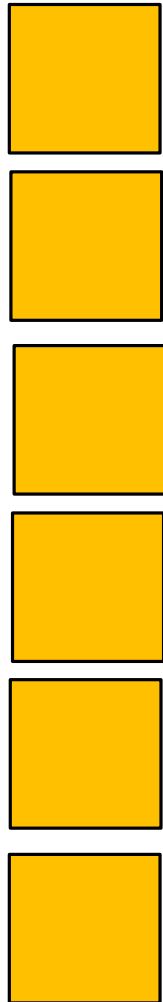


Pattern Block Template

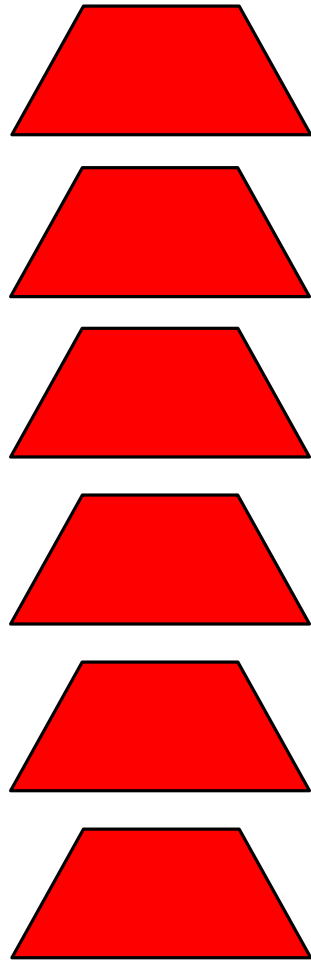
Triangle



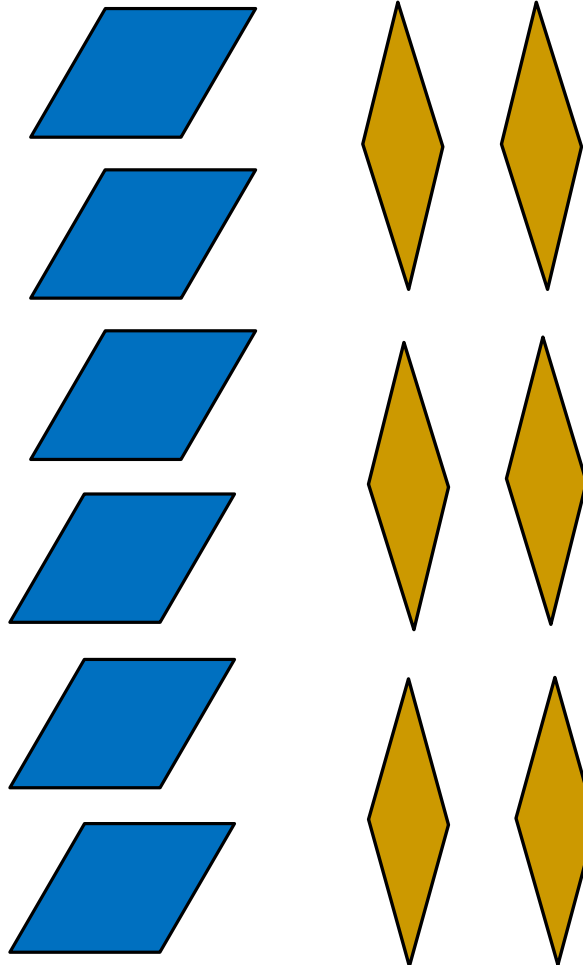
Square



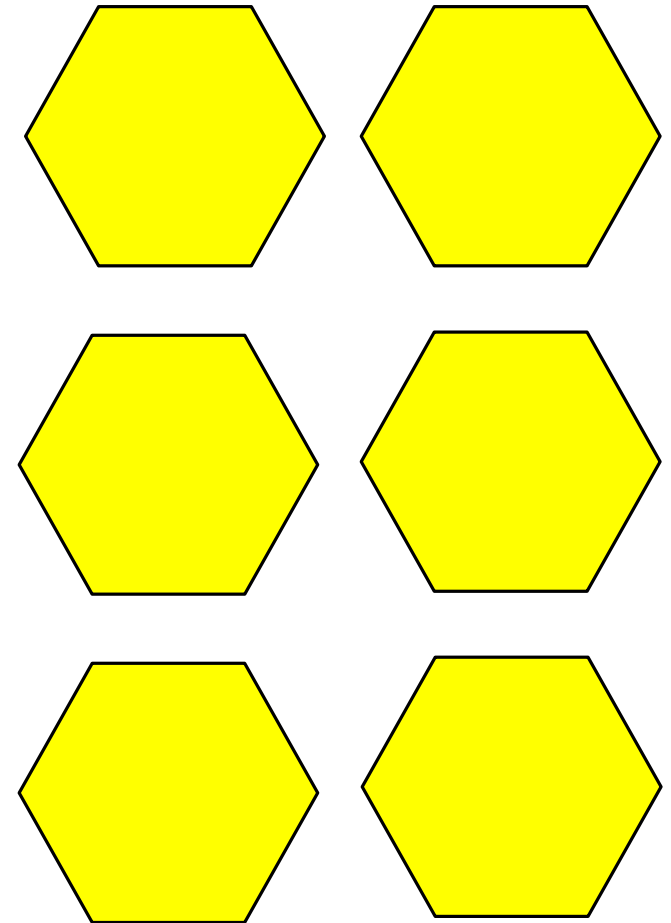
Trapezoid



Rhombus

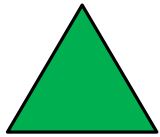
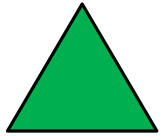
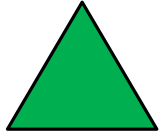
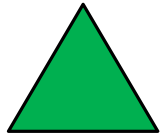
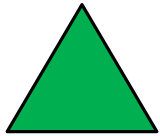
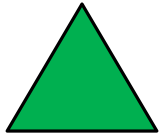


Hexagon

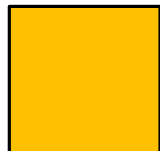
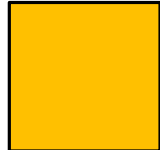


Pattern Block Template

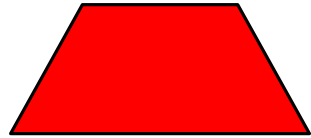
Triangle



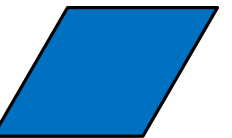
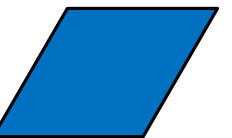
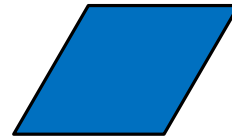
Square



Trapezoid



Rhombus



Hexagon

