

Pattern Chairs

Name: Silvia Romano

Grade Level: Grade Pre-K - K

Content area(s): Language Arts, Math, and Visual Arts

Classroom Time: 30-45 minutes (Large or Small group activity)

Purpose: Students will be able to recognize and create patterns.

Skills Addressed:

ELA skill: Reading, listening and retelling a story for understanding and applying language skills

Math skill: Understanding and reproducing patterns

Visual Arts Skill: Understanding and applying techniques and making connections between Visual arts and other disciplines

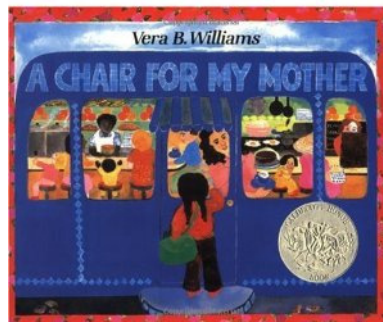
Supplies:

“A Chair For My Mother” by B Williams Vera or a similar book, internet, pictures of chairs and sofas, paint or markers or crayons or pieces of colored paper, construction paper, handouts,

Lesson Process:

Warm-up –

- A. Read the book “A Chair For My Mom” by B Williams Vera or a similar book or listen to ["A Chair for My Mom"](#).



- B. Ask the students to describe the Mom’s chair. *Ex: Red with flowers, etc.*
- C. Ask the students to describe their favorite chair at home or school. *Ex: It is a green chair with a pillow, etc.*

Lesson procedure –

- A. Show the class a picture of an American Easy Chair c 1750 – 1800 or other traditional chairs and sofas from the internet or cut out from magazines or furniture catalogs. [Sample chair patterns](#) or other [Needlework patterns](#).

- B. While the students are looking at the picture(s) ask them if they see any patterns in the chairs or sofas.
- C. Ask the students to think of different patterns they have observed in the past. *Ex: Circle, circle, square – repeat, red, green orange – repeat, etc.*
- D. Tell the students they are going to create their own patterns for a chair. Distribute Chair Pattern 1 to some of the students and Chair Pattern 2 to the other students. – Attachment 1
- E. Students decorate a “Pattern chair” creating their own pattern using paint, pieces of different colored paper, markers or crayons.



- F. Once the students are finished, have them group the chairs by the type of chair they used to create their pattern on. (sides or no sides) Create a graph.
- G. After the students create their graph, have the students look around the room and group the chairs created according to the pattern they created (lines, squares, circles, flowers, etc.).
- H. As a class, create a graph using the pictures of the chairs showing the different types of patterns created.

Stripped
Stripped *Squares*
Stripped *Squares* *Circles* *Flowers*
Stripped *Squares* *Circles* *Flowers* *Triangles*



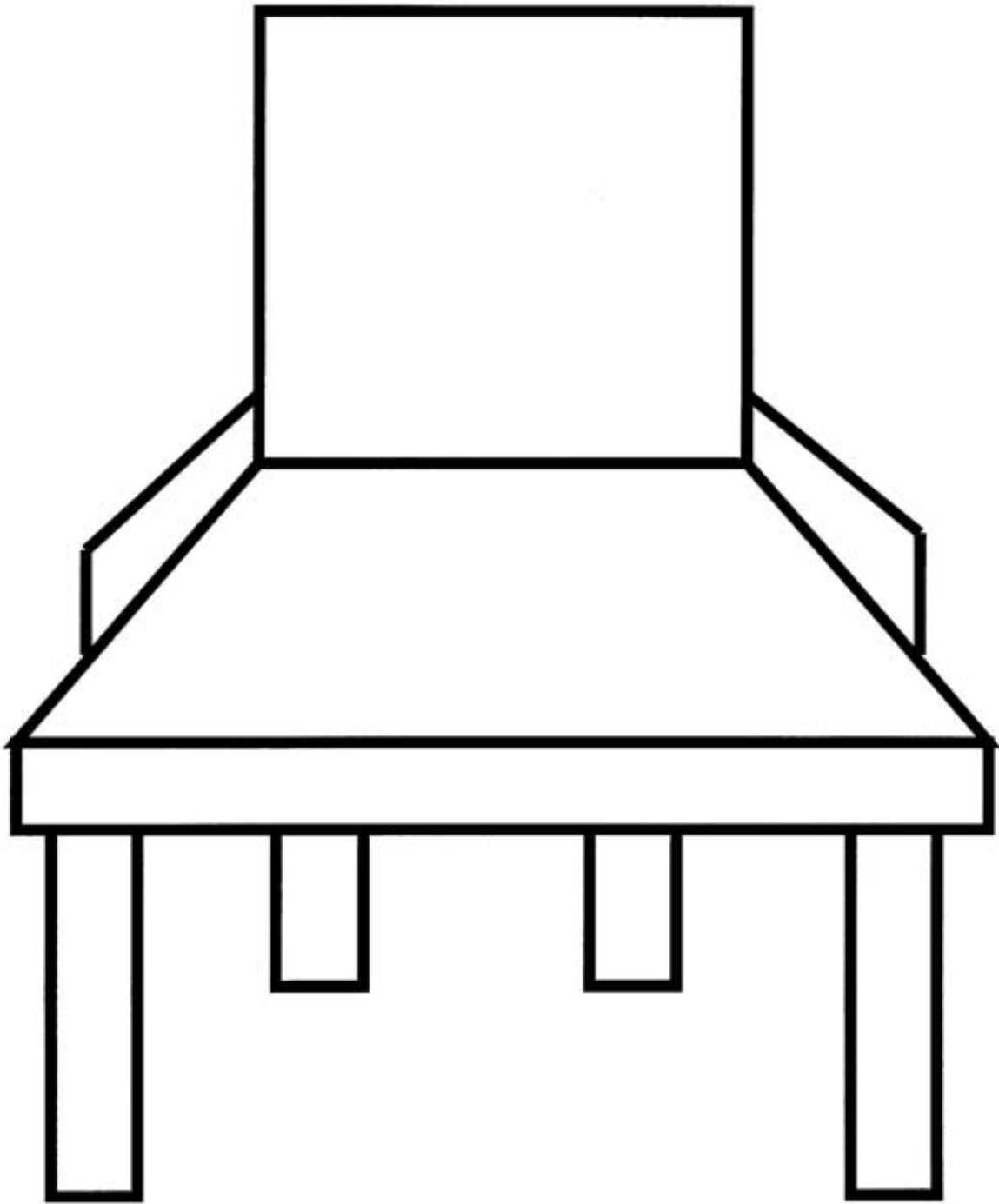
Student assessment or final product to be developed:

Teacher observation, class participation, chair, and graph

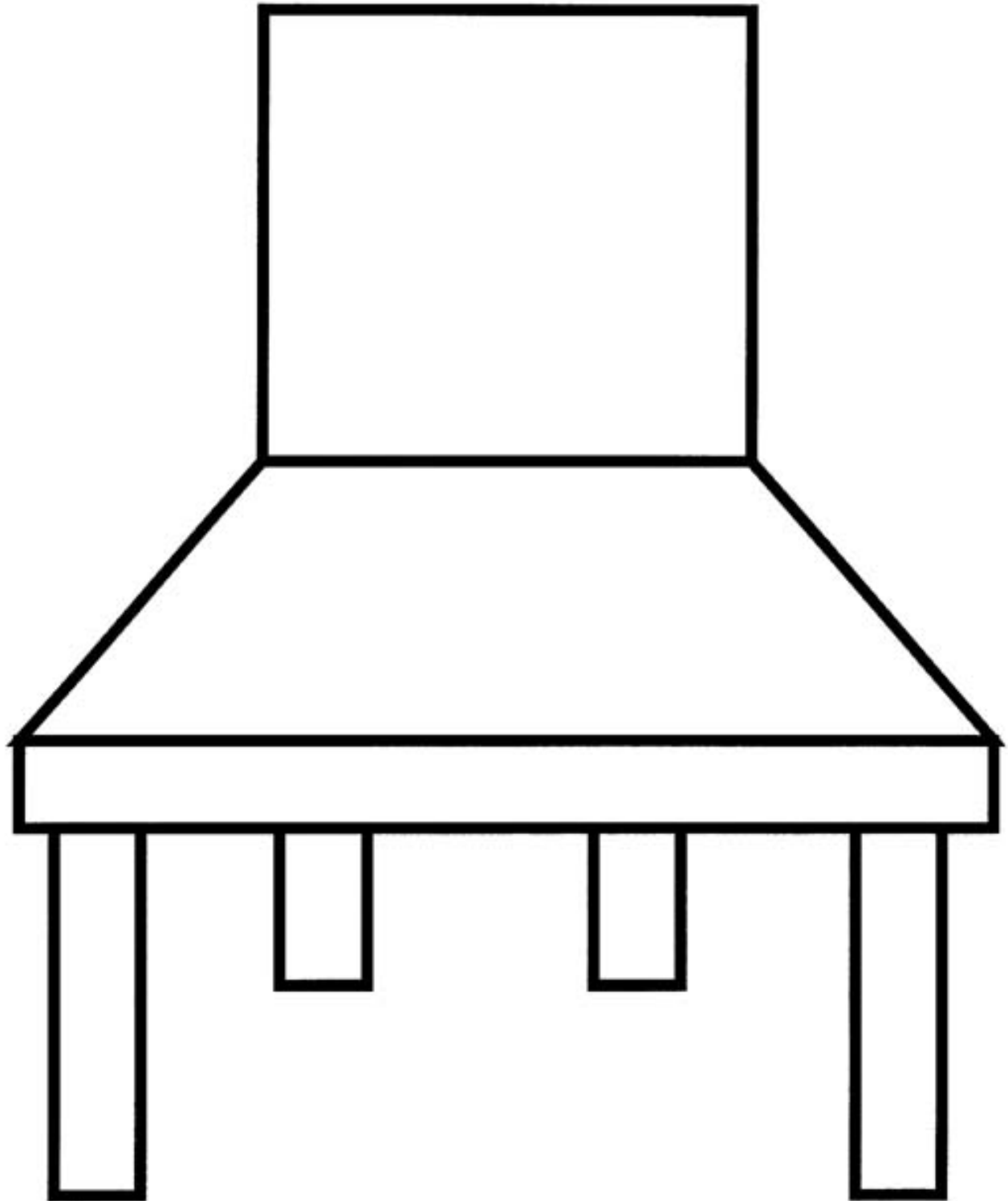
Extension activities

- A. Ask the students who they would like to give their chair to (Teacher, family member, etc.)
Create a graph.
- B. Students use the attached pictures (*Attachment 2*) to create the following patterns:
AB/ABB/ABC (Big chair, little chair and chair with arms). After the students have finished the given patterns, have the students create their own pattern and have a fellow classmate follow the pattern.

Chair Pattern 1

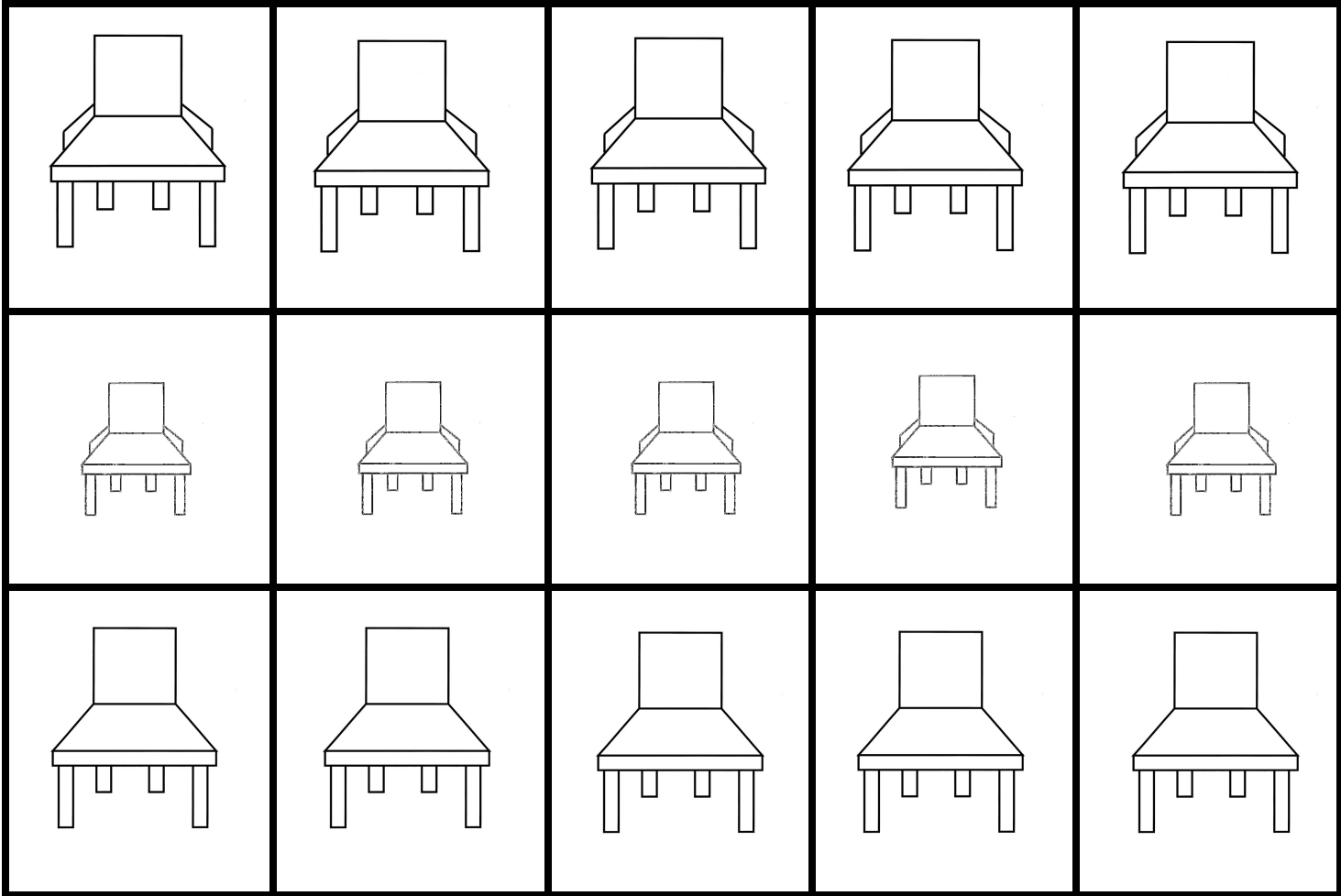


Chair Pattern 2



Create Patterns AB/ABB/ABC

Print and cut out for the students to use to create the patterns on the following pages.



Patterns

Name _____

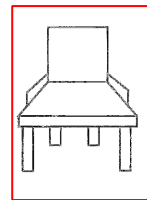
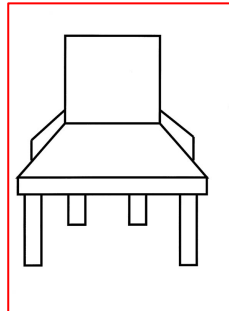
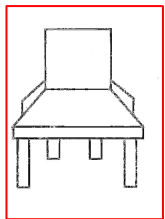
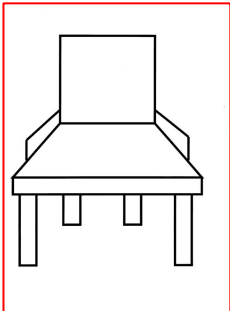
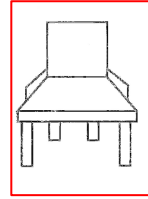
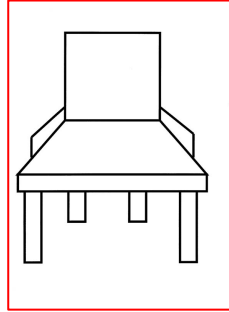
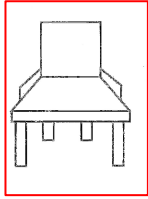
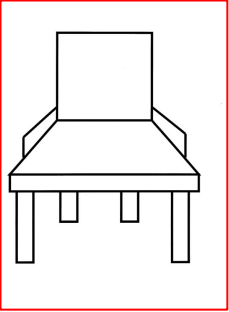
Glue the chair in the squares to create the pattern indicated.

AB

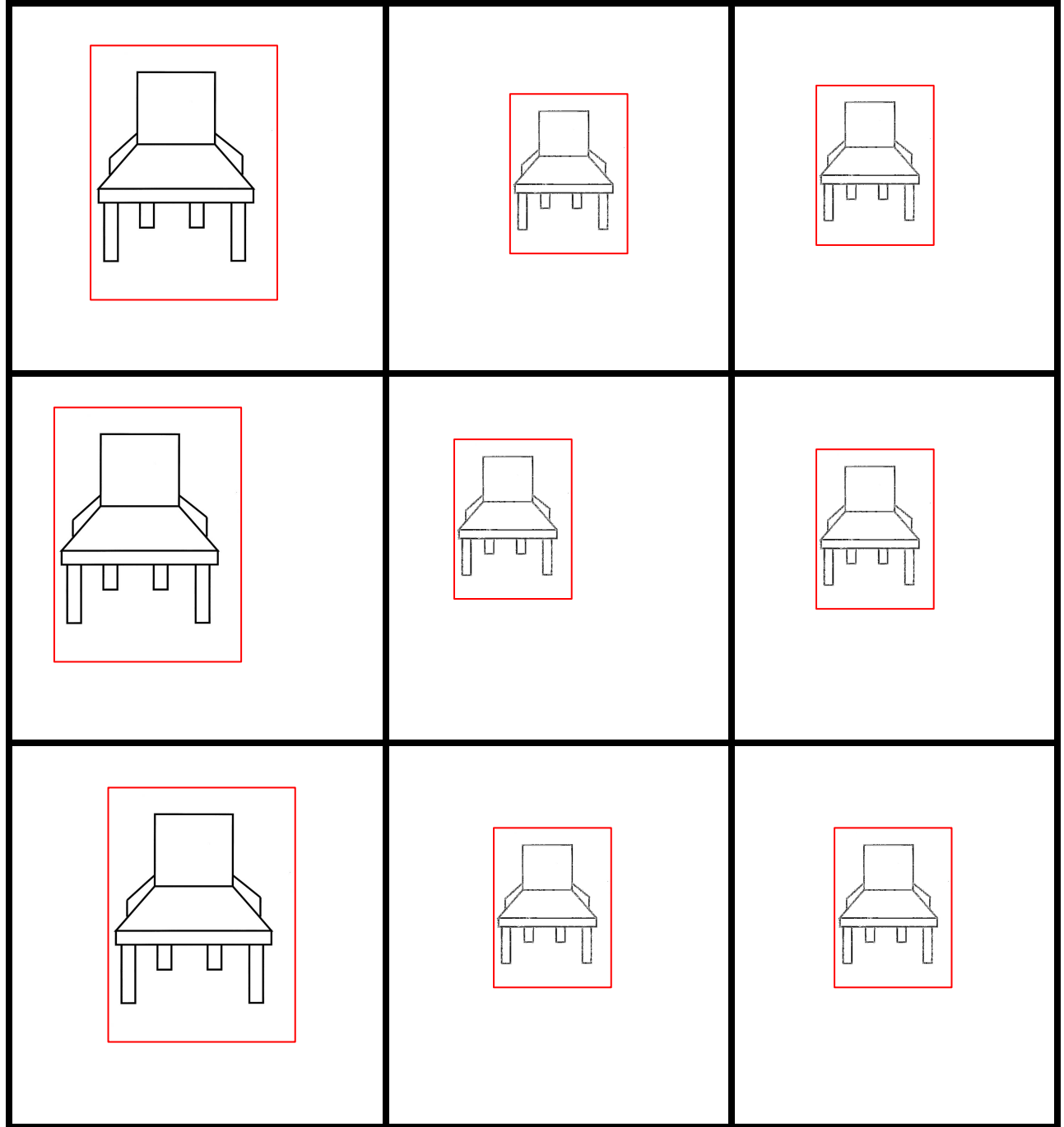
ABB

ABC

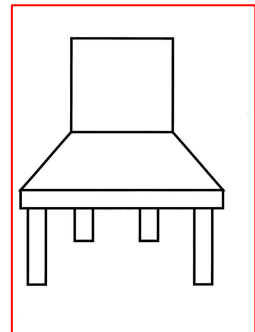
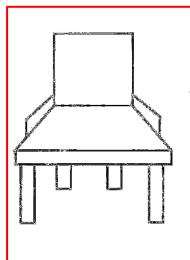
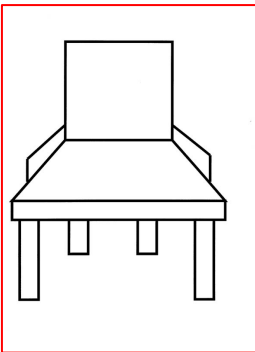
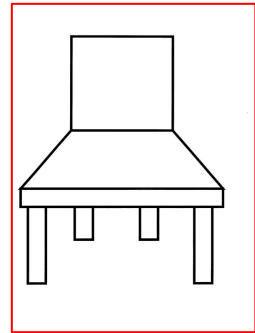
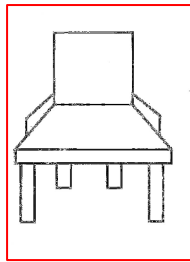
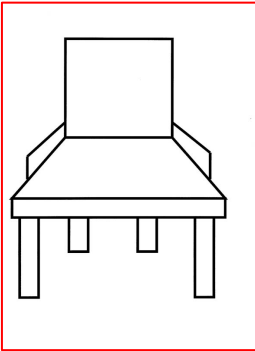
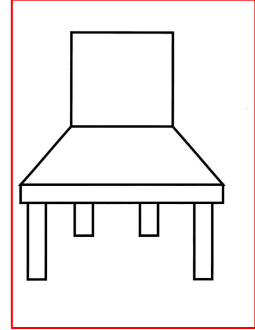
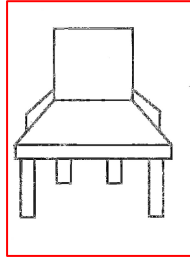
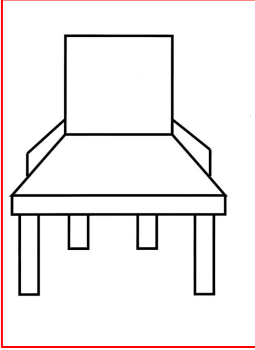
AB - KEY



ABB



ABC



National Standards

Language Arts

[NL-ENG.K-12.2](#) Reading for Understanding

[NL-ENG.K-12.12](#) Applying Language Skills

Math

[NM-ALG.PK-2.1](#) Understand Patterns, Relations, and Functions

[NM-DATA.PK-2.1](#) Formulate Questions That Can Be Addressed With Data and Collect, Organize, and Display Relevant Data to Answer

Visual Arts

[NA-VA.K-4.1](#) Understanding and Applying Media, Techniques, and Processes

[NA-VA.K-4.6](#) Making Connections Between Visual Arts and Other Disciplines