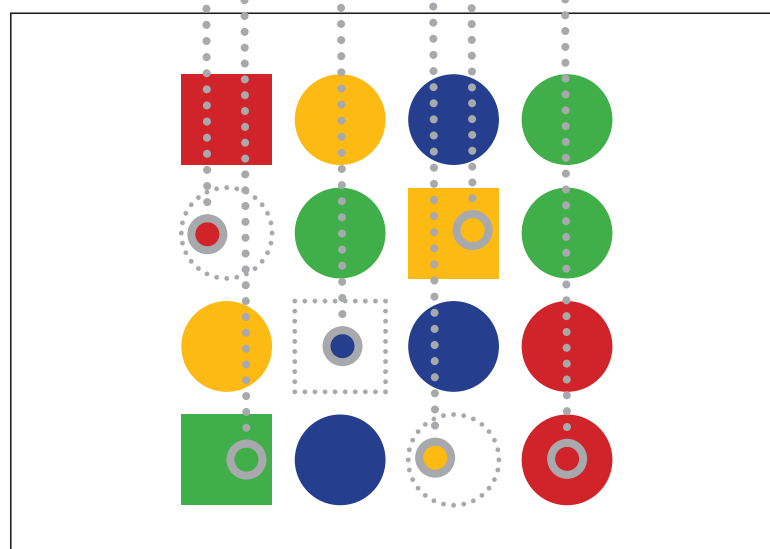
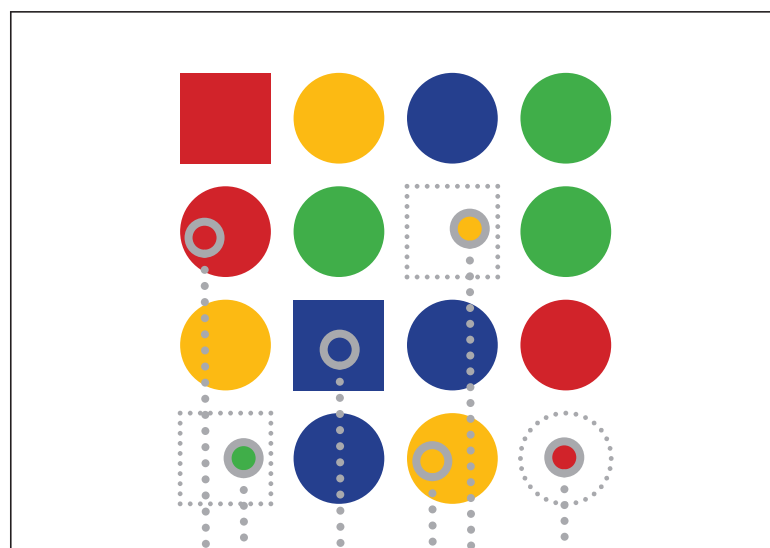


P-7-2

# PATTERNS - OBLIKE V MREŽI

## 4X4 GRID - MIRRORING



# **PATTERNS - SHAPES IN A GRID**

## **4X4 GRID - MIRRORING**

**dr. Kristijan Musek Lešnik**

**dr. Petra Lešnik Musek**



# PATTERNS - SHAPES IN A GRID

## 4X4 GRID - MIRRORING

**dr. Kristijan Musek Lešnik**

**dr. Petra Lešnik Musek**

Title of the workbook: OBLIKE V MREŽI: 4X4 GRID - MIRRORING

Brainscribed program - supporting visual-motor integration and fine-motor skills development.

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Brainscribed program members/subscribers can print and use the worksheets  
in this workbook for their work with children during their membership/subscription.

Illustrations: los\_ojos\_pardos, Shutterstock

First edition, 2025

Number of pages: 264



Brainscribed resources help children develop and strengthen  
visual-motor integration and fine-motor skills!

Published by:

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Požarnice 26d, 1351 Brezovica pri Ljubljani

[www.brainscribed.com](http://www.brainscribed.com)

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# Tasks in this workbook

The collection consists of pairs of identical patterns that are missing some circles or squares. The aim of each task is to create two matching patterns.

The children compare the two patterns to identify which circles or squares belong to the spots where the shapes are missing.

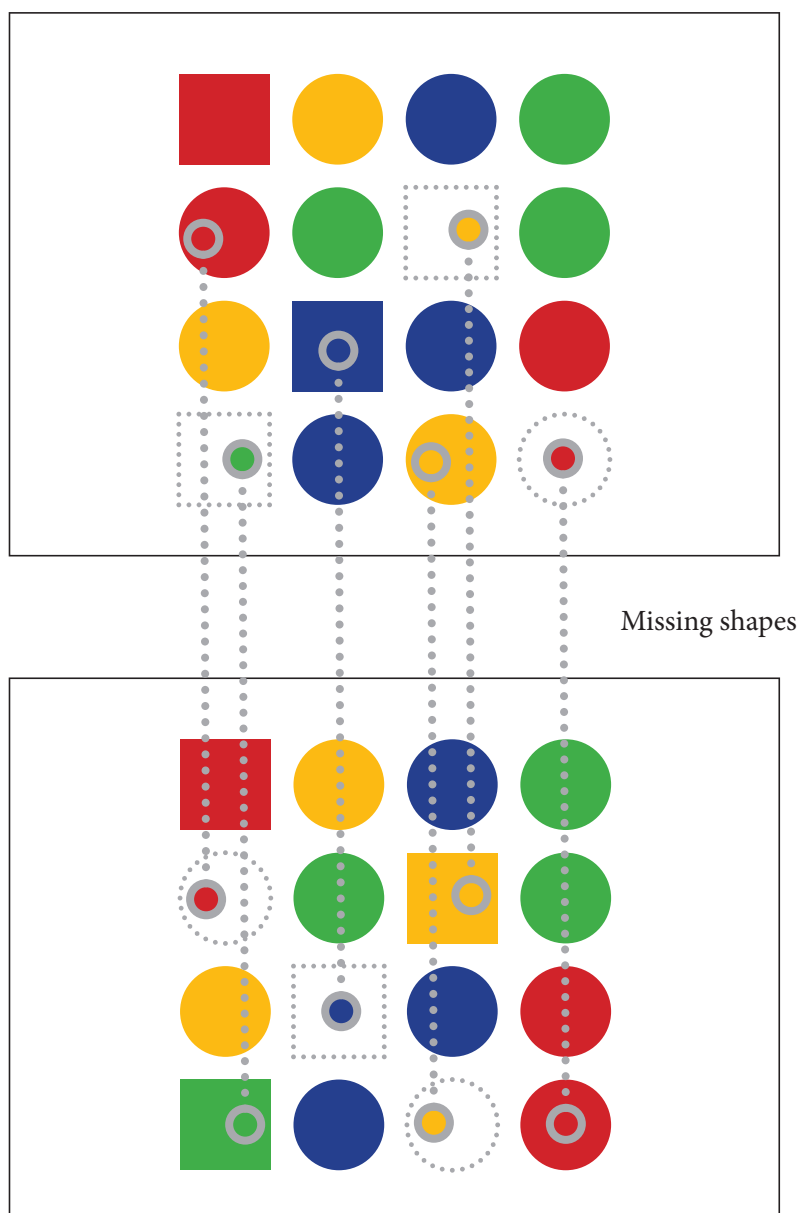
Each pattern consists of sixteen circles or squares coloured in four colours: blue, red, yellow and green.

The number of missing shapes in each pattern increases from the beginning to the end of the volume - this increases the difficulty of the challenges.

## Instructions:

Compare the two patterns and fill in the missing shapes to make two identical patterns.

## Example:



# About completing patterns

## Why pattern matching and completing activities are important

Tasks in which children fill in missing elements in patterns stimulate their cognitive development.

Tasks that involve comparing patterns and identifying their missing elements stimulate observational skills development. When children compare two sets of patterns and identify the missing elements in one of them, their attention is strengthened and their ability to concentrate, compare and identify similarities and differences is reinforced.

The activities in this collection encourage children to observe and compare the patterns carefully, which can contribute to improving their ability to focus on details. As they compare patterns, their visual discrimination skills are improved; these later play a key role in important developmental challenges such as learning to read, write and other skills. Pattern matching also encourages the development of mental flexibility, adaptability and critical thinking and problem-solving skills, as children need to analyse and evaluate each template in order to create identical patterns. As these tasks require the child to recall the details of one template and compare them with another, they also help to strengthen visual and short-term memory.

Another important aspect of tasks that require comparing and completing patterns is stimulating patience and perseverance, which are essential life skills both for solving these types of tasks and for achieving goals in various other challenges that children will face later on.

## Activity aids - circles and squares

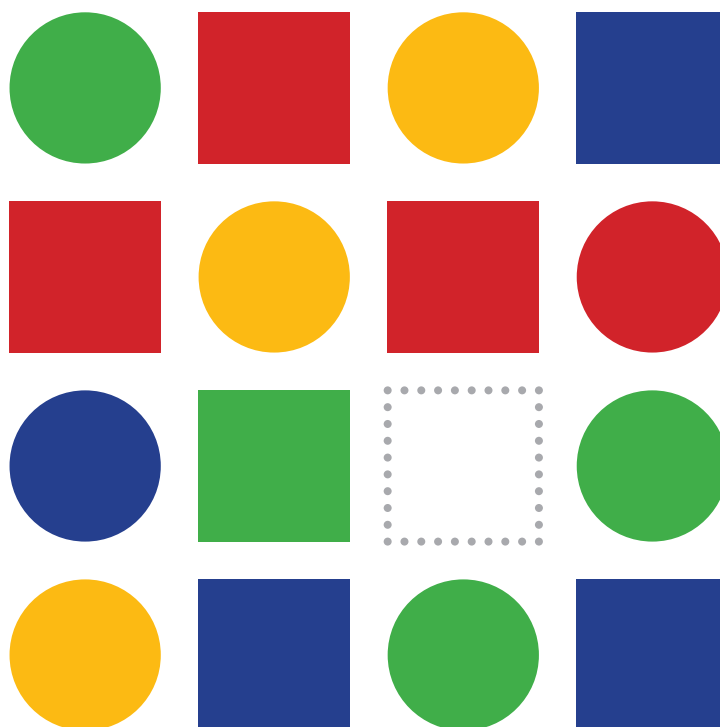
There are several possible ways to do the tasks in this workbook:

- version 1 - children compare two patterns on the template, both of which are incomplete; they place the corresponding shapes in the empty spaces to create two identical patterns,
- version 2 - children pick the corresponding coloured shapes from the pile and arrange them on a flat surface according to the patterns on the template; they then compare the two patterns and fill in the voids of both patterns with the corresponding shapes to create two identical patterns.

On pages 6 to 21 you will find printed coloured circles and squares that you can use for the activities in this workbook. Depending on the level of fine motor skills of the individual child (younger children can handle larger objects more easily, while smaller shapes are more suitable for children who have already developed better fine motor control of their fingers) and the available room, you can print smaller (20mm or 40mm), medium (70mm) or larger shapes (120mm).

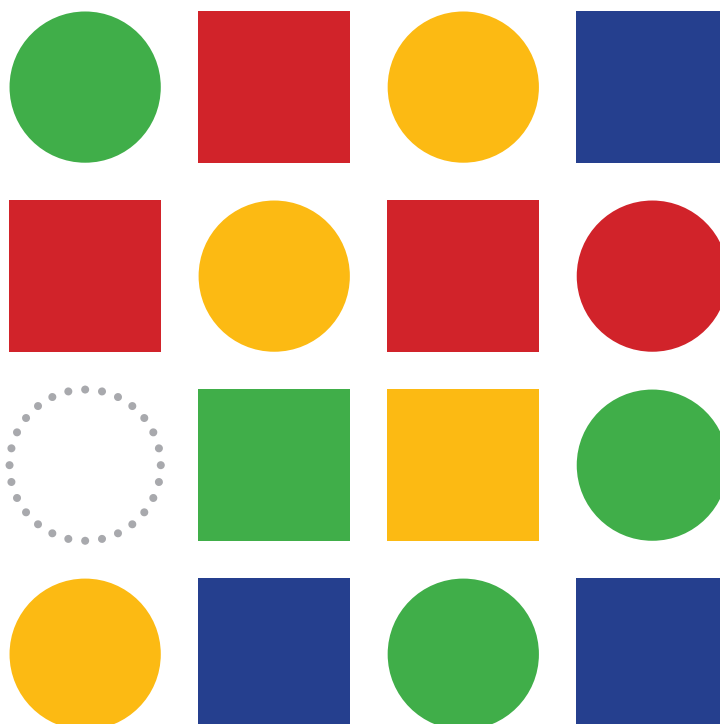
Print and then laminate as many copies of the sheets with coloured shapes as you like, then cut out and save the dots for the children to use in the activities in this book.

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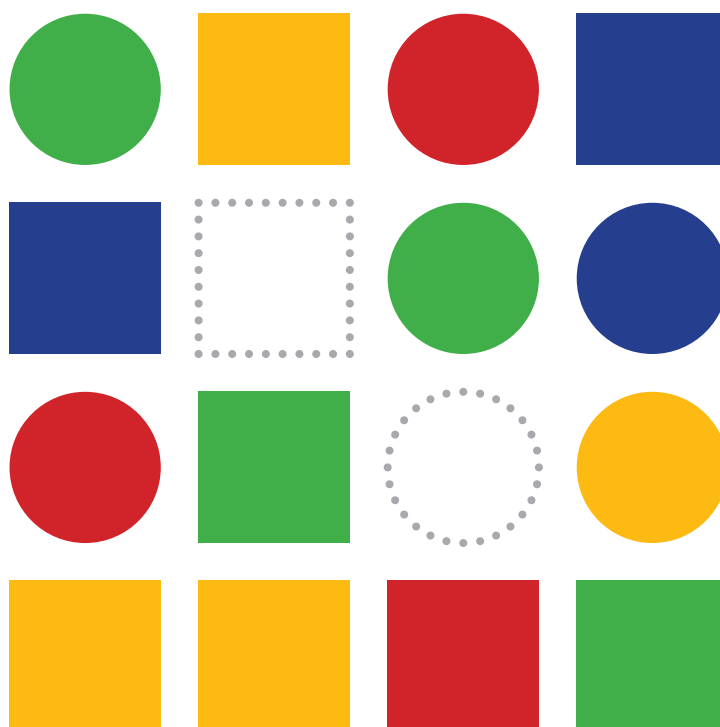
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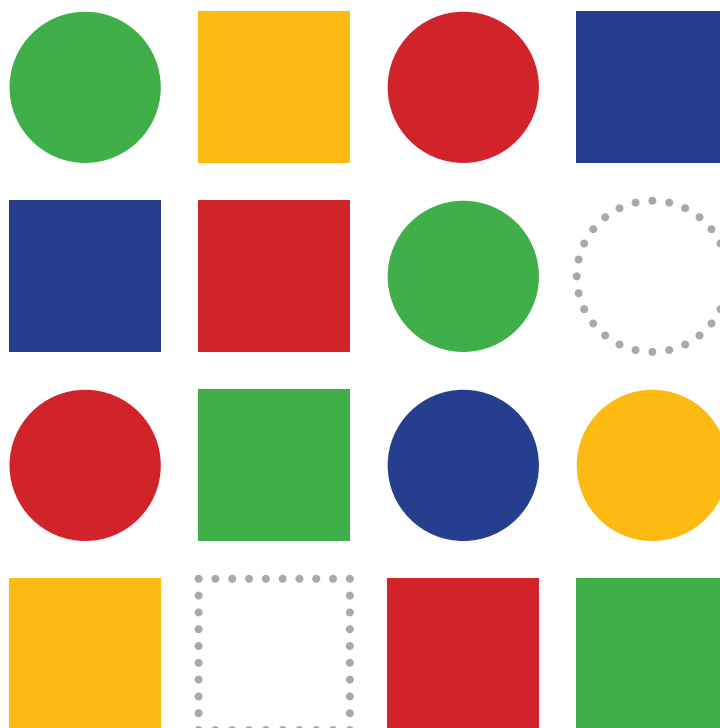
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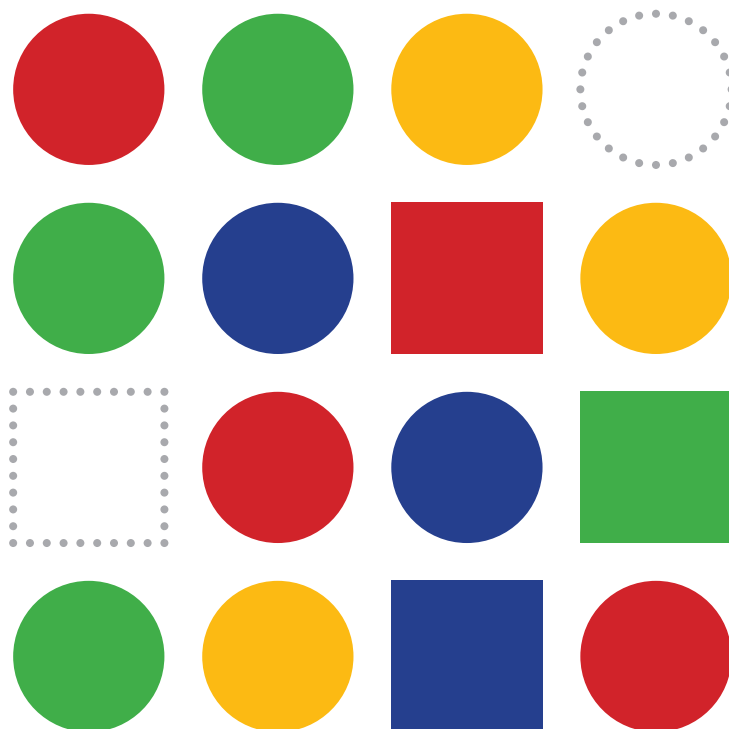
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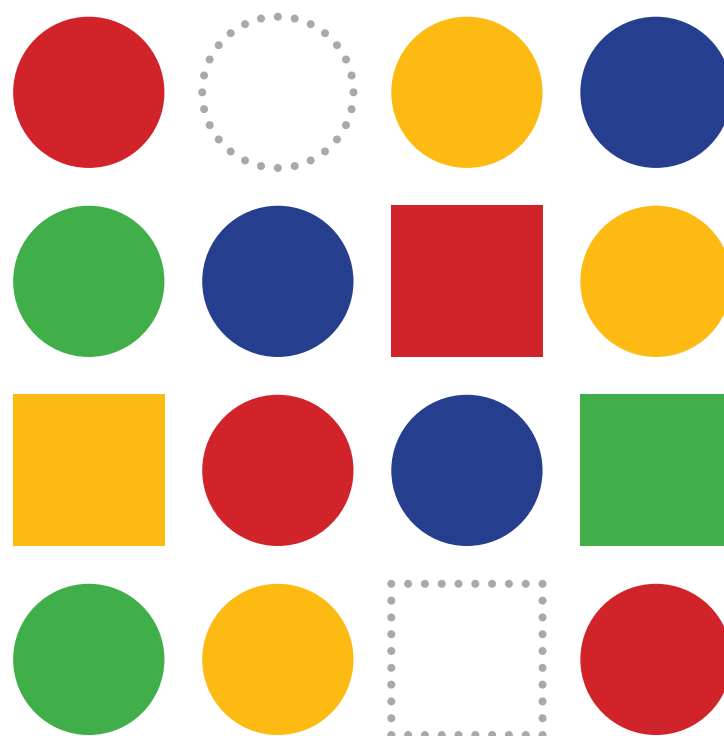


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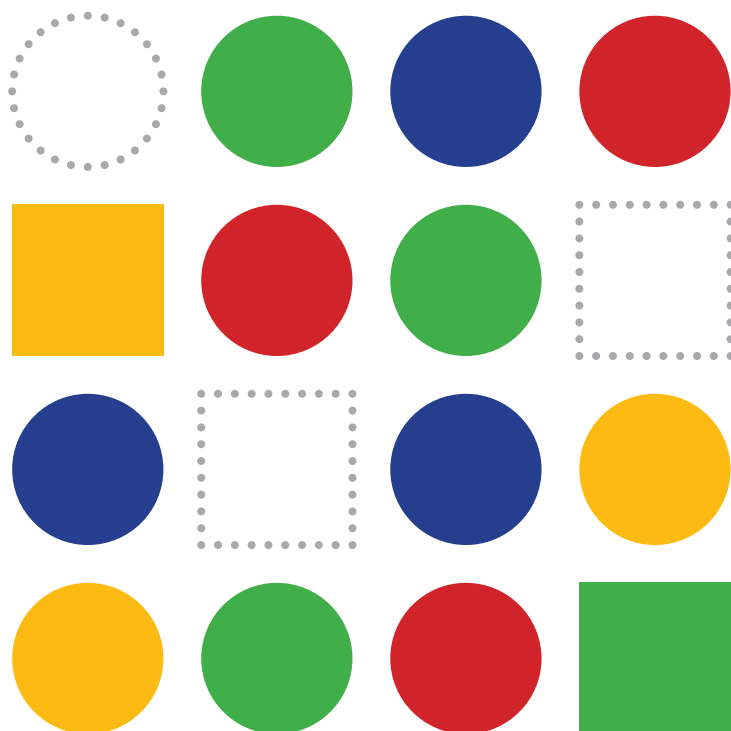
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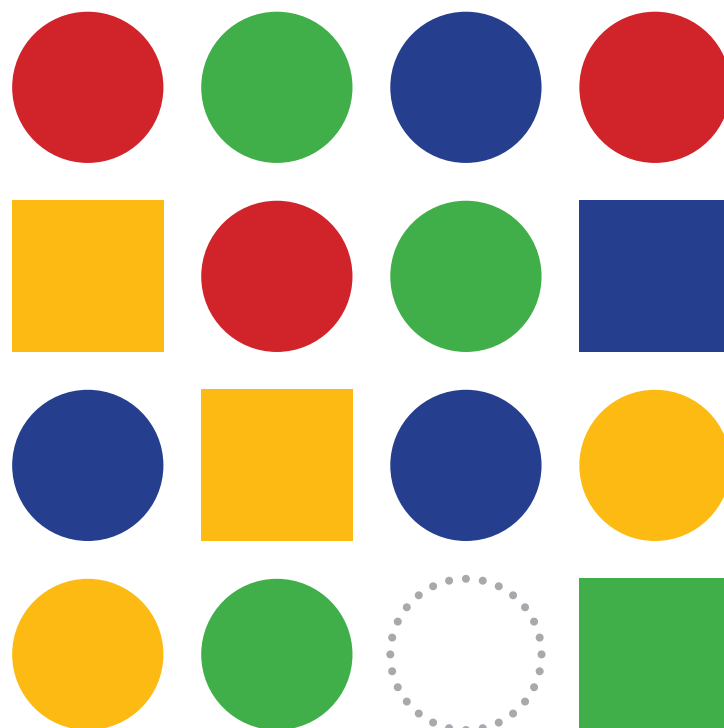
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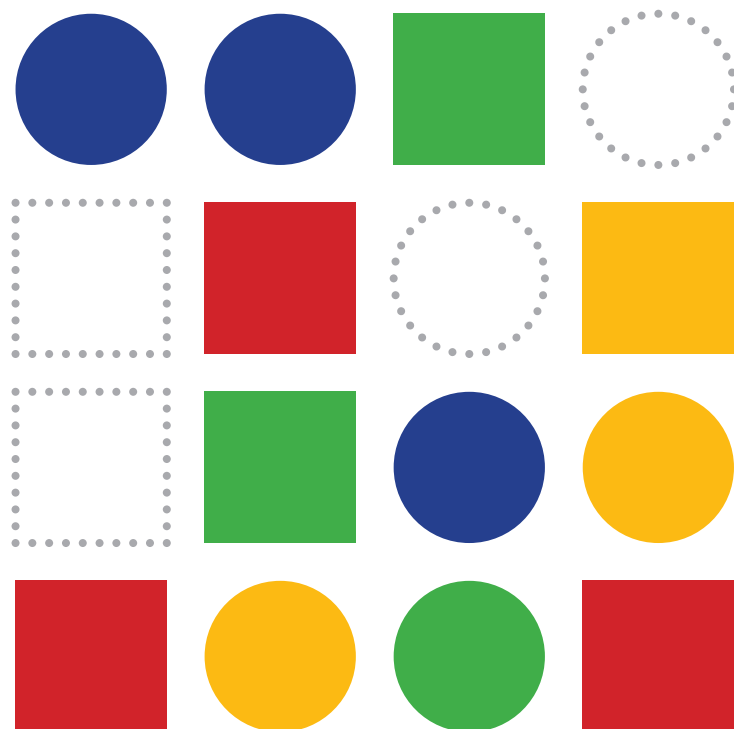
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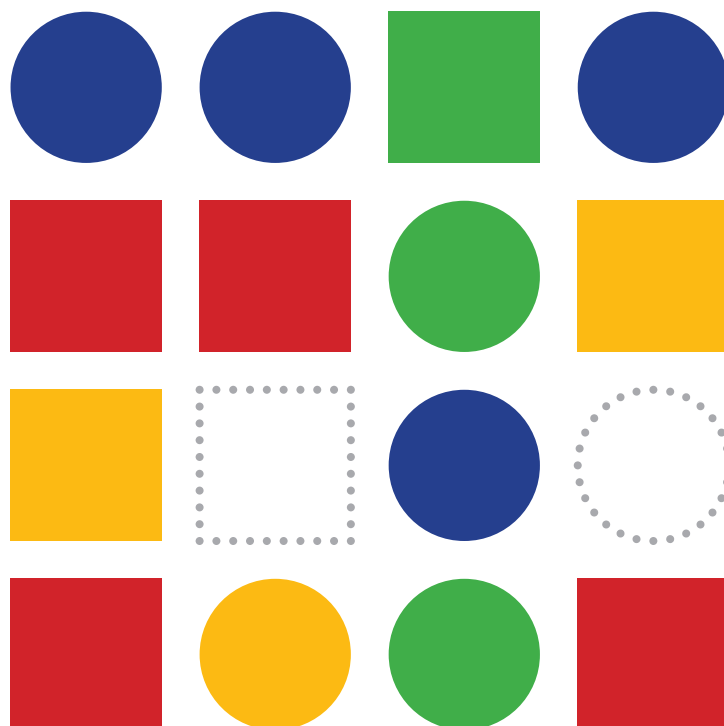
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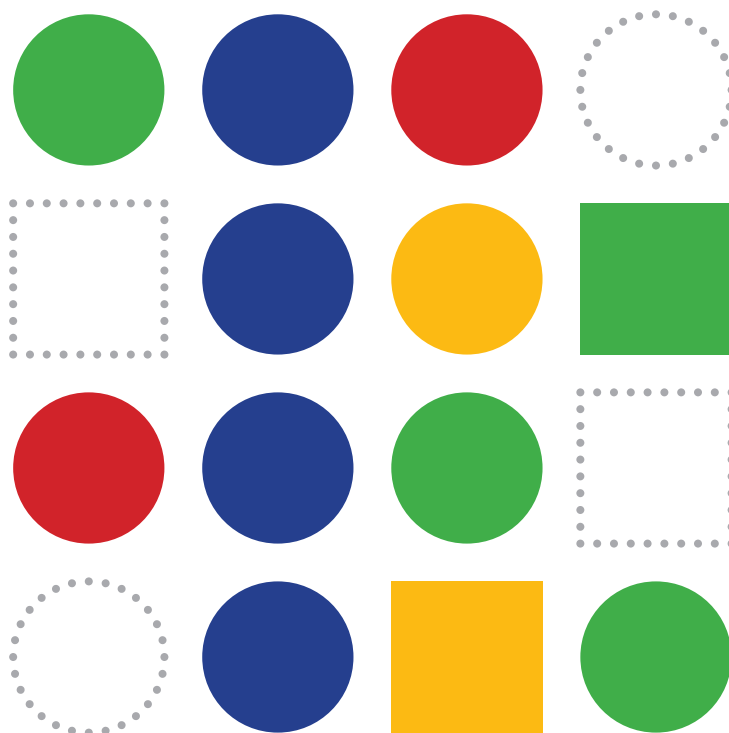
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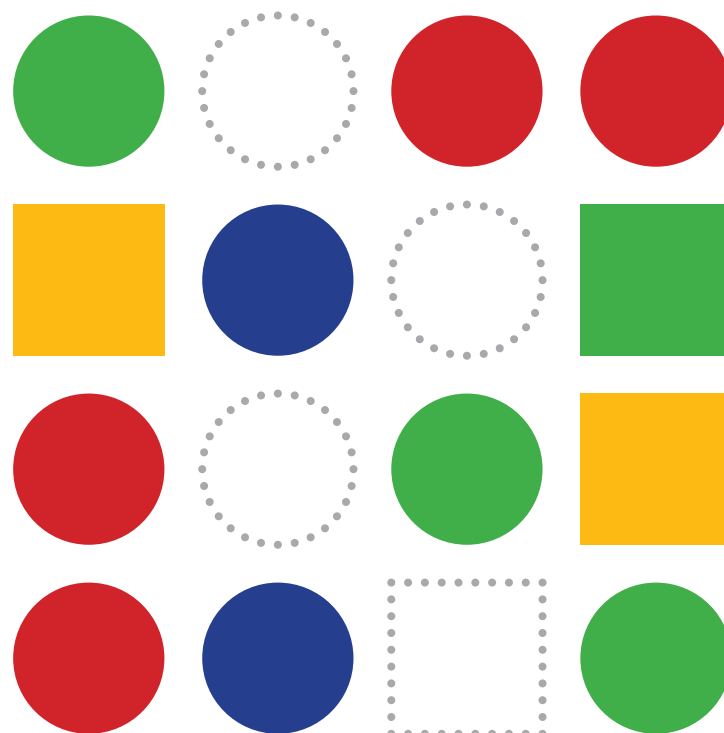
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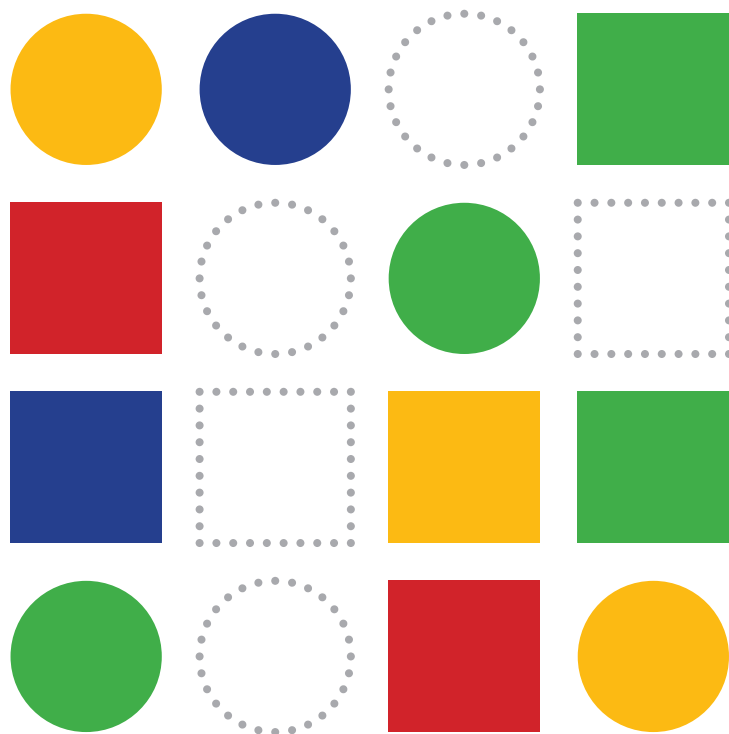
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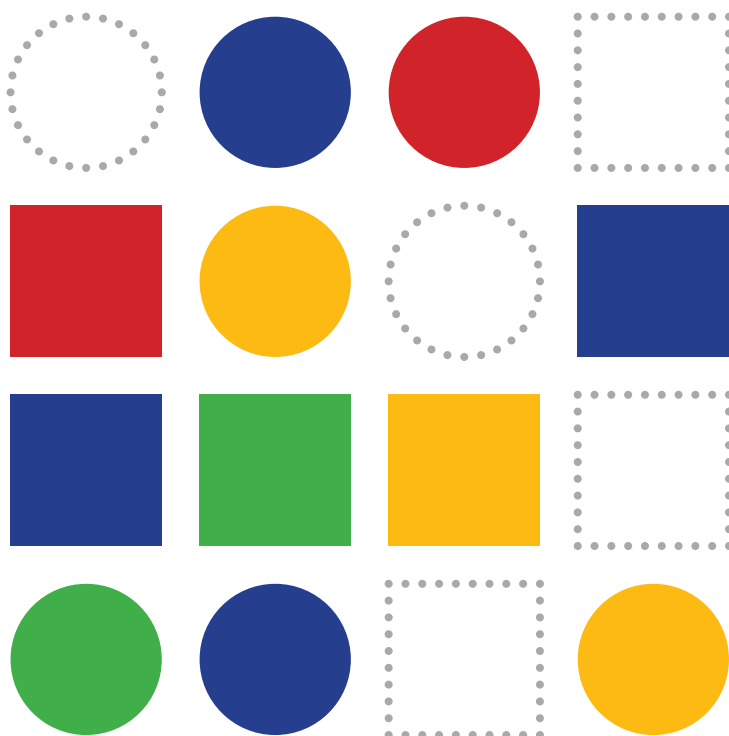
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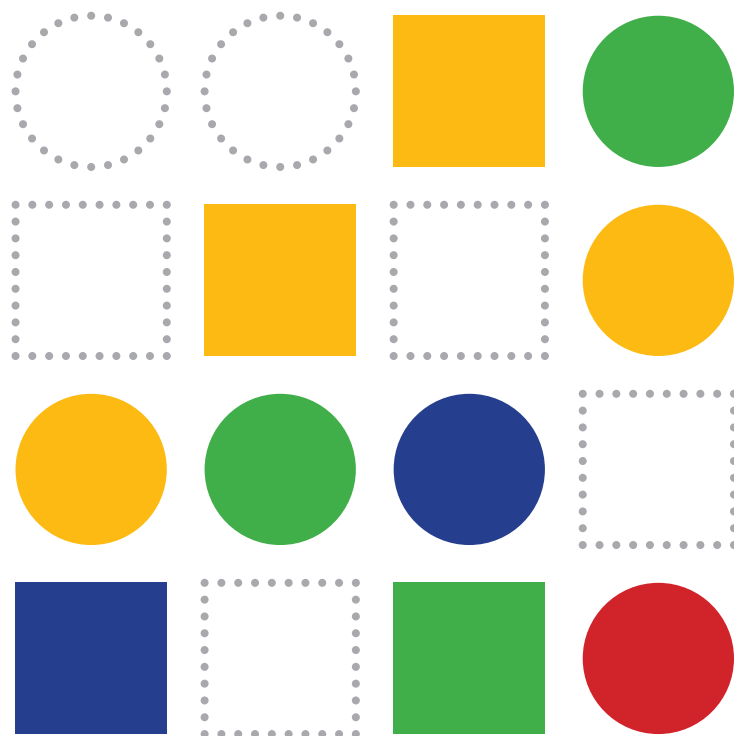
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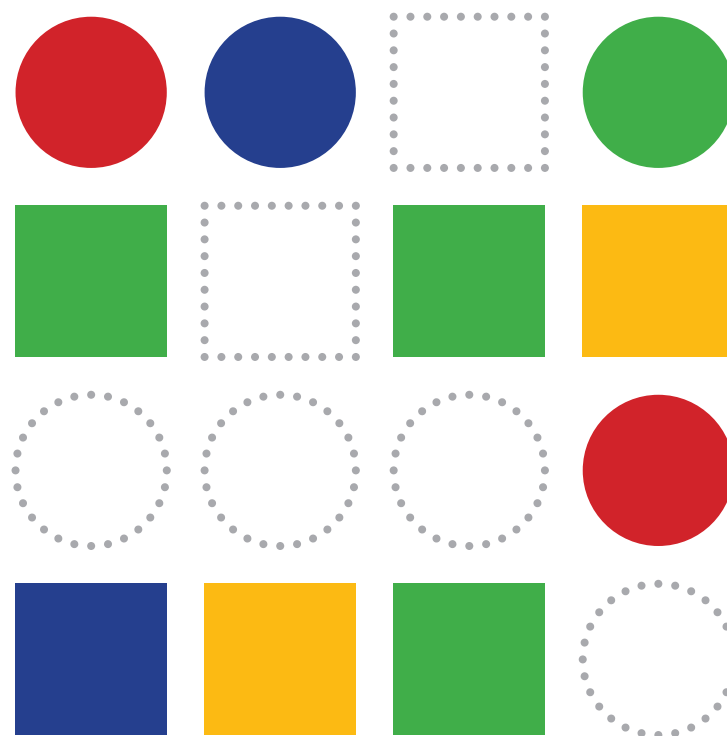
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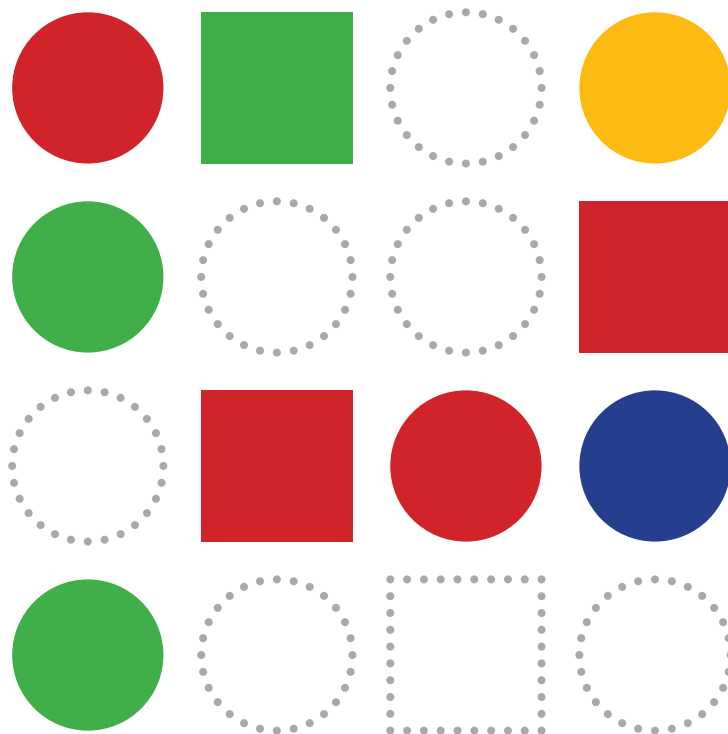
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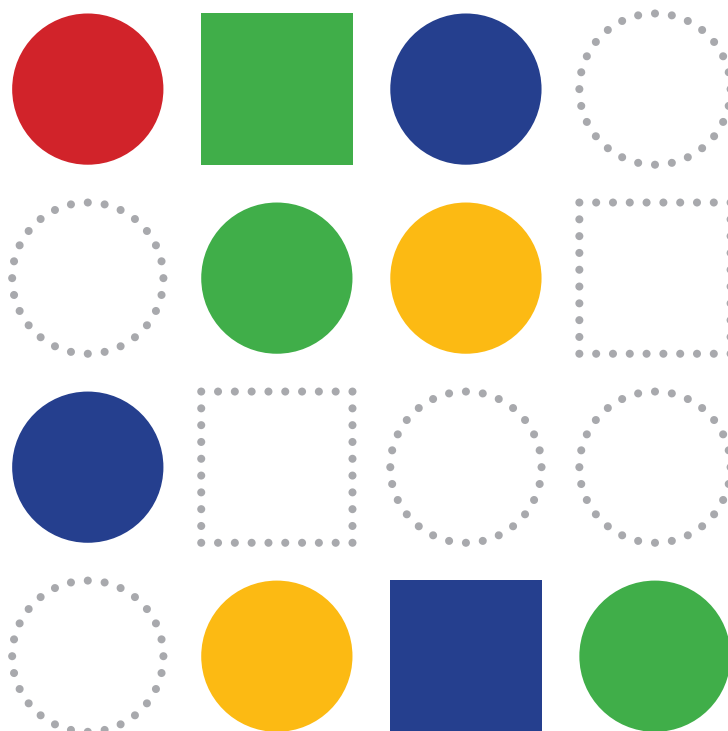
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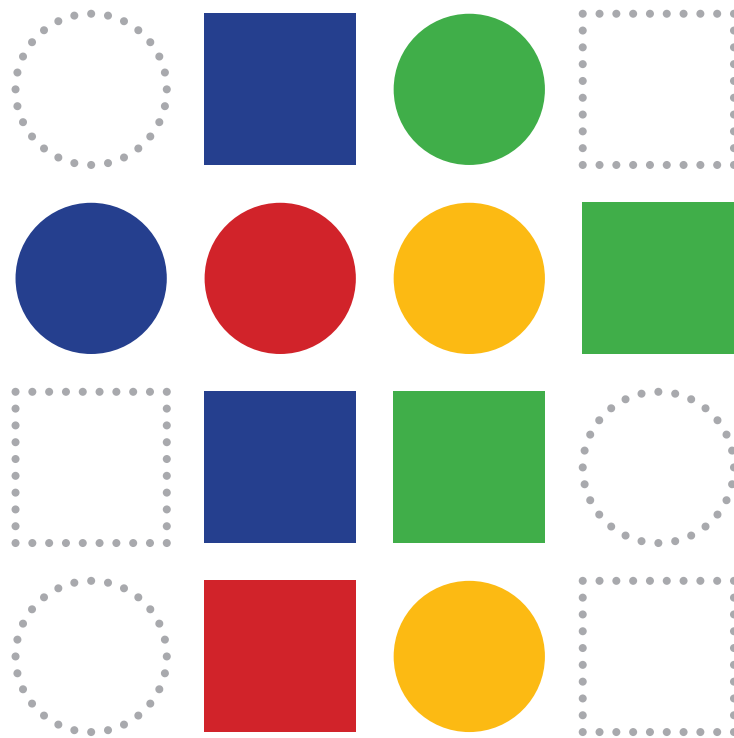
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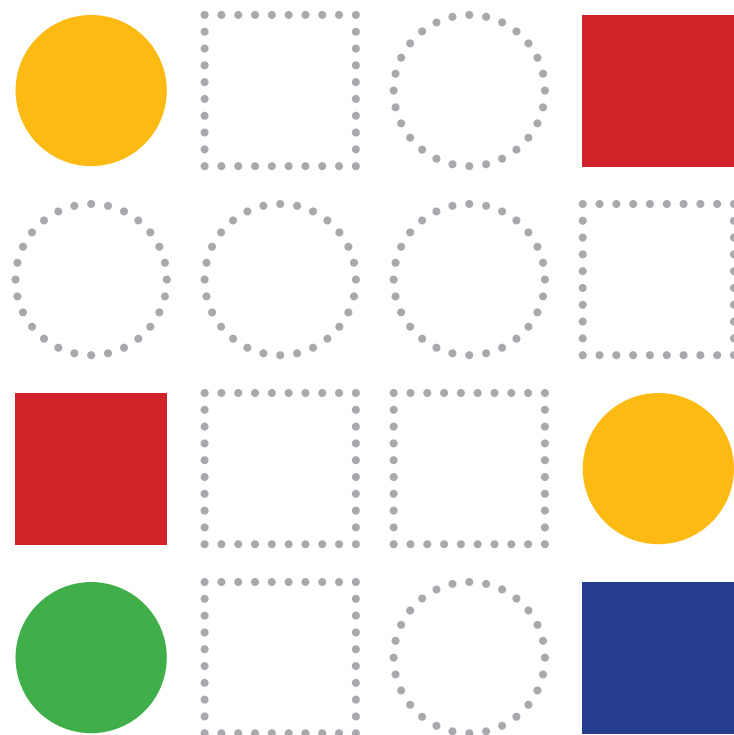
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# About Brainscribed program

## EXTENSIVE collection of activities

Brainscribed collection features thousands of worksheets with tens of thousands of challenges and activities of different types, created to stimulate the development of visual-motor integration and graphomotor skills in children. With its extensive corpus of materials, it is one of the most comprehensive collections of its kind, **globally**.

## Based on BRAIN & EDUCATIONAL SCIENCE

### Science fact:

Visual-motor exercises create functional connections among visual and motor regions in brains.

### Science fact:

Fine motor skills, non-verbal intelligence and executive functioning are significantly interrelated.

### Science fact:

Visual-motor exercises improve graphomotor skills which are important predictors of later academic achievement.

## FUN and CHALLENGING activities

Brainscribed resources stimulate visual-motor integration development with countless fun and **developmentally appropriate** activities, designed to be **user friendly** both for adults working with children (easy selection of developmentally appropriate activities according to the child's current stage of visual-motor integration and skills), as well as for children (challenging activities).

## Designed for EXPERTS and PARENTS

Brainscribed workbooks provide **teachers** and other **experts** (preschool, school, special education, therapy, etc.) with appropriate and gradually challenging tasks according to developmental needs of their children as well as offer **parents** developmentally appropriate and gradually challenging tasks for their children.

## Activities for EVERY child ...

**Every** child's visual motor integration and skills development can **benefit** from graphomotor / visual-motor tasks and training at home or in a classroom.

## ... and for children with DIFFICULTIES

Visual-motor deficits and graphomotor difficulties can be debilitating for children. Teachers and other experts working with children with visual motor integration problems or/and with writing problems will find a plentitude of useful and engaging tasks for a **systematic intervention** in Brainscribed workbooks for children with visual-motor difficulties.

## Created by EXPERTS

Dr. Kristijan Musek Lešnik (Ph.D.) - Founder nad Chair of the Centre for Positive Psychology, University of Primorska, Slovenia - President of the Council of Experts for General Education of the Republic of Slovenia - past President of the Committee for the Children with Special Needs - past President of the National Testing Committee, Slovenia.

Dr. Petra Lešnik Musek (Ph.D. in Developmental Psychology) - Specialist of Clinical Psychology at the Department of Child Neurology, Paediatric Clinic of the University Clinical Centre, Ljubljana, Slovenia - combines years of experience in developmental psychology and family therapy in clinical work with children and their families.

# List of Brainscribed volumes - 2025

## Collection: CUTTING AND TEARING

Volume C-1-1: CUTTING AND TEARING: HORIZONTAL AND VERTICAL LINES  
Volume C-1-2: CUTTING AND TEARING: ZIG-ZAG LINES  
Volume C-1-3: CUTTING AND TEARING: WAVY LINES  
Volume C-1-4: CUTTING AND TEARING: SPIRALS  
Volume C-1-5: CUTTING AND TEARING: FLATTENED SPIRALS

## Collection: PATTERNS / FINGER GRIP

### TWO TO FOUR STICKS

Volume P-1-1: PATTERNS - STICKS: 2 STICKS - COLOURS  
Volume P-1-2: PATTERNS - STICKS: 2 STICKS - SHAPES

### FIVE STICKS

Volume P-2-1: PATTERNS - STICKS: 5 STICKS - COLOURS  
Volume P-2-2: PATTERNS - STICKS: 5 STICKS - SHAPES  
Volume P-2-3: PATTERNS - STICKS: 5 STICKS - DIFFERENCES: COLOURS  
Volume P-2-4: PATTERNS - STICKS: 5 STICKS - DIFFERENCES: SHAPES  
Volume P-2-5: PATTERNS - STICKS: 5 STICKS - DIFFERENCES: COLOURS AND SHAPES  
Volume P-2-6: PATTERNS - STICKS: 5 STICKS - SPACING

### SIX STICKS

Volume P-3-1: PATTERNS - STICKS: 6 STICKS - COLOURS  
Volume P-3-2: PATTERNS - STICKS: 6 STICKS - SHAPES  
Volume P-3-3: PATTERNS - STICKS: 6 STICKS - COMPLETING  
Volume P-3-4: PATTERNS - STICKS: 6 STICKS - SPACING  
Volume P-3-5: PATTERNS - STICKS: 6 STICKS - MIRRORING

### EIGHT STICKS

Volume P-4-1: PATTERNS - STICKS: 8 STICKS - COLOURS  
Volume P-4-2: PATTERNS - STICKS: 8 STICKS - SHAPES  
Volume P-4-3: PATTERNS - STICKS: 8 STICKS - COMPLETING  
Volume P-4-4: PATTERNS - STICKS: 8 STICKS - ORIENTATION  
Volume P-4-5: PATTERNS - STICKS: 8 STICKS - MIRRORING  
Volume P-4-6: PATTERNS - STICKS: 8 STICKS - OVERLAPPING

## TEN STICKS

Volume P-5-1: PATTERNS - STICKS: 10 STICKS - COLOURS  
 Volume P-5-2: PATTERNS - STICKS: 10 STICKS - SHAPES  
 Volume P-5-3A: PATTERNS - STICKS: 10 STICKS - FINDING DIFFERENCES: COLOURS 1  
 Volume P-5-3B: PATTERNS - STICKS: 10 STICKS - FINDING DIFFERENCES: COLOURS 2  
 Volume P-5-4A: PATTERNS - STICKS: 10 STICKS - FINDING DIFFERENCES: SHAPES 1  
 Volume P-5-4B: PATTERNS - STICKS: 10 STICKS - FINDING DIFFERENCES: SHAPES 2  
 Volume P-5-5: PATTERNS - STICKS: 10 STICKS - ORIENTATION  
 Volume P-5-6: PATTERNS - STICKS: 10 STICKS - MIRRORING  
 Volume P-5-7: PATTERNS - STICKS: 10 STICKS - OVERLAPPING  
 Volume P-5-8: PATTERNS - STICKS: 10 STICKS - INTERVINNING  
 Volume P-5-9: PATTERNS - STICKS: 10 STICKS - COMPLETING

## 3x3 GRID

Volume P-6-1: DOTS IN A GRID: 3x3 GRID - COLOURS  
 Volume P-6-2: SHAPES IN A GRID: 3x3 GRID - SHAPES  
 Volume P-6-3: DOTS IN A GRID: 3x3 GRID - DIFFERENCES  
 Volume P-6-4: DOTS IN A GRID: 3x3 GRID - COMPLETING  
 Volume P-6-5: DOTS IN A GRID: 3x3 GRID - MIRRORING  
 Volume P-6-6: SHAPES IN A GRID: 3x3 GRID - MIRRORING

## 4x4 GRID

Volume P-7-1: DOTS IN A GRID: 4x4 GRID - COLOURS  
 Volume P-7-2: SHAPES IN A GRID: 4x4 GRID - SHAPES  
 Volume P-7-3: DOTS IN A GRID: 4x4 GRID - DIFFERENCES  
 Volume P-7-4: DOTS IN A GRID: 4x4 GRID - COMPLETING  
 Volume P-7-5: DOTS IN A GRID: 4x4 GRID - MIRRORING  
 Volume P-7-6: SHAPES IN A GRID: 4x4 GRID - MIRRORING

## Collection: GRAPHOMOTOR SKILLS

### BASIC COPYING

Volume G-1-1: BASIC COPYING: CIRCLES AND SQUARES  
 Volume G-1-2: BASIC COPYING: GEOMETRIC SHAPES

### TRACING SHAPES

Volume G-2-1: TRACING SHAPES: TRACING CIRCLES  
 Volume G-2-2: TRACING SHAPES: TRACING SQUARES  
 Volume G-2-3: TRACING SHAPES: TRACING TRIANGLES  
 Volume G-2-4: TRACING SHAPES: BASIC SHAPES  
 Volume G-2-5: TRACING SHAPES: TRACING GEOMETRIC SHAPES- DIRECTION  
 Volume G-2-6: TRACING SHAPES: TRACING ANGLED SHAPES  
 Volume G-2-7: TRACING SHAPES: TRACING ROUNDED SHAPES  
 Volume G-2-8: TRACING SHAPES: TRACING IRREGULAR SHAPES

## SHAPE CONSTANCY

Volume G-3-1: SHAPE CONSTANCY: FINISHING SHAPES -LARGE SHAPES

Volume G-3-2: SHAPE CONSTANCY: FINISHING SHAPES - MEDIUM AND SMALL SHAPES

Volume G-3-3: SHAPE CONSTANCY: TRACING AND FINISHING SHAPES - LARGE SHAPES

Volume G-3-4: SHAPE CONSTANCY: TRACING AND FINISHING SHAPES - MEDIUM AND SMALL SHAPES

## TRACING & CONNECTING

Volume G-4-1: TRACING & CONNECTING: TRACING HORIZONTAL AND VERTICAL LINES

Volume G-4-2: TRACING & CONNECTING: TRACING ZIG-ZAG LINES

Volume G-4-3: TRACING & CONNECTING: TRACING WAVY LINES

Volume G-4-4: TRACING & CONNECTING: TRACING STRAIGHT AND IRREGULAR LINES

Volume G-4-5: TRACING & CONNECTING: TRACING CURVED LINES

Volume G-4-6: TRACING & CONNECTING: CONNECTING - STRAIGHT LINES AND ANGLES

Volume G-4-7: TRACING & CONNECTING: DRAWING LINES DOT TO DOT

## SPATIAL ORGANIZATION

Volume G-5-1: SPATIAL ORGANIZATION: CONNECTING DOTS - LINES

Volume G-5-2: SPATIAL ORGANIZATION: CONNECTING DOTS - PATTERNS

Volume G-5-3: SPATIAL ORGANIZATION: CONNECTING DOTS - SHAPES

Volume G-5-4: SPATIAL ORGANIZATION: DRAWING LOOPS IN 8x8 GRID

Volume G-5-5: SPATIAL ORGANIZATION: DRAWING LOOPS IN 12x12 GRID

## CHANELLING

Volume G-6-1: CHANELLING: STRAIGHT LINES AND ANGLES

Volume G-6-2: CHANELLING: WAVY AND CURVED LINESS

Volume G-6-3: CHANELLING: SIMPLE CURVED LINES: NO DOTS

Volume G-6-4: CHANELLING: COMPLEX CURVED LINES: NO DOTS

Volume G-6-5: CHANELLING: CURVED LINES: WITH HELPING DOTS

Volume G-6-6: CHANELLING: CHANELLING IRREGULAR SHAPES

Volume G-6-71: CHANELLING: PATHS -10 mm WIDTH

Volume G-6-72: CHANELLING: PATHS -6 mm WIDTH

Volume G-6-73: CHANELLING: PATHS -4 mm WIDTH

Volume G-6-74: CHANELLING: PATHS -2 mm WIDTH

## MAZES

Volume G-7-1: MAZES: 5 x 5 AND 6 x 6 MAZES

Volume G-7-2: MAZES: 7 x 7 AND 8 x 8 MAZES -

Volume G-7-3: MAZES: 9x9 AND 10x10 MAZES

Volume G-7-4: MAZES: 12x12 MAZES

Volume G-7-5: MAZES: 9x9 AND 11x11 ESCAPE MAZES

Volume G-7-7: MAZES: 16x16 ESCAPE MAZES

Volume G-7-8: MAZES: PATHS

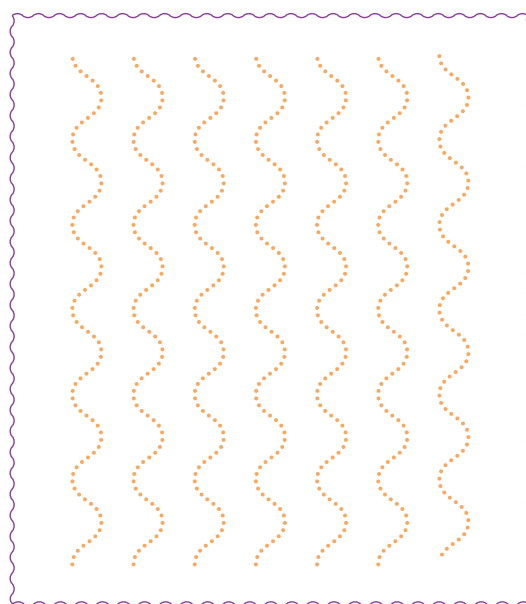
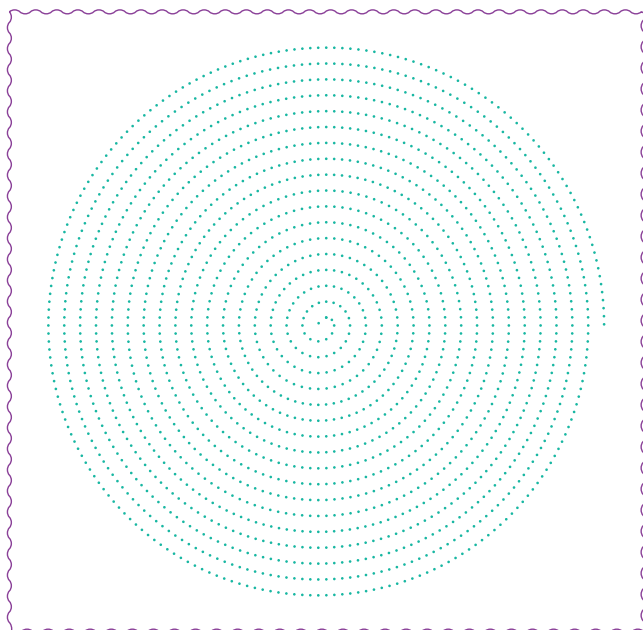
# Different types of Brainscribed tasks

Brainscribed activities are organised into thematic workbooks.

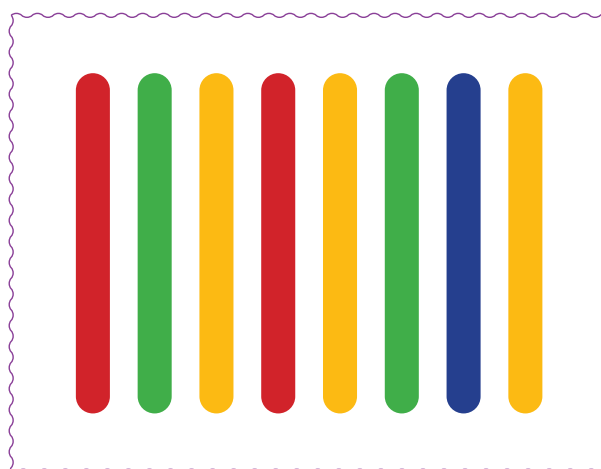
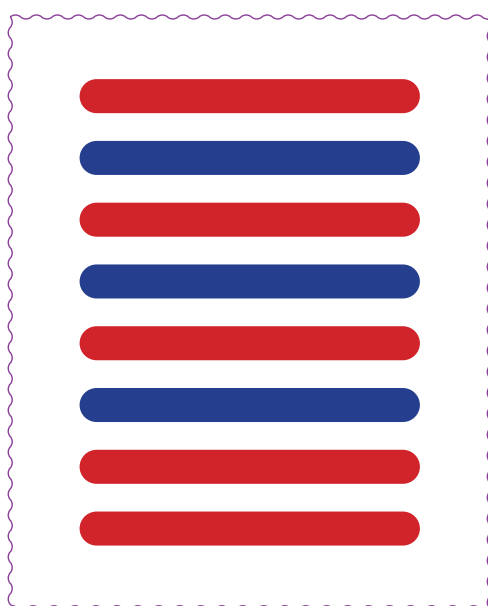
In each volume, the difficulty of the tasks gradually increases.

All Brainscribed activities are designed to stimulate visual-motor integration and the development of graphomotor and other fine-motor skills in a way that is interesting and engaging for children.

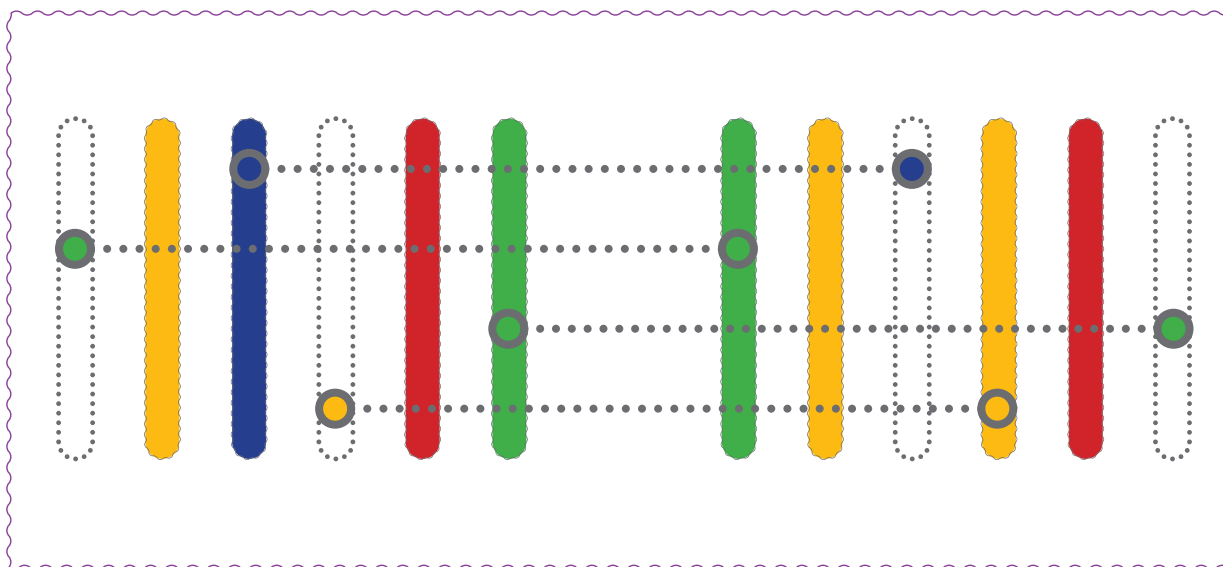
## CUTTING AND TEARING ...



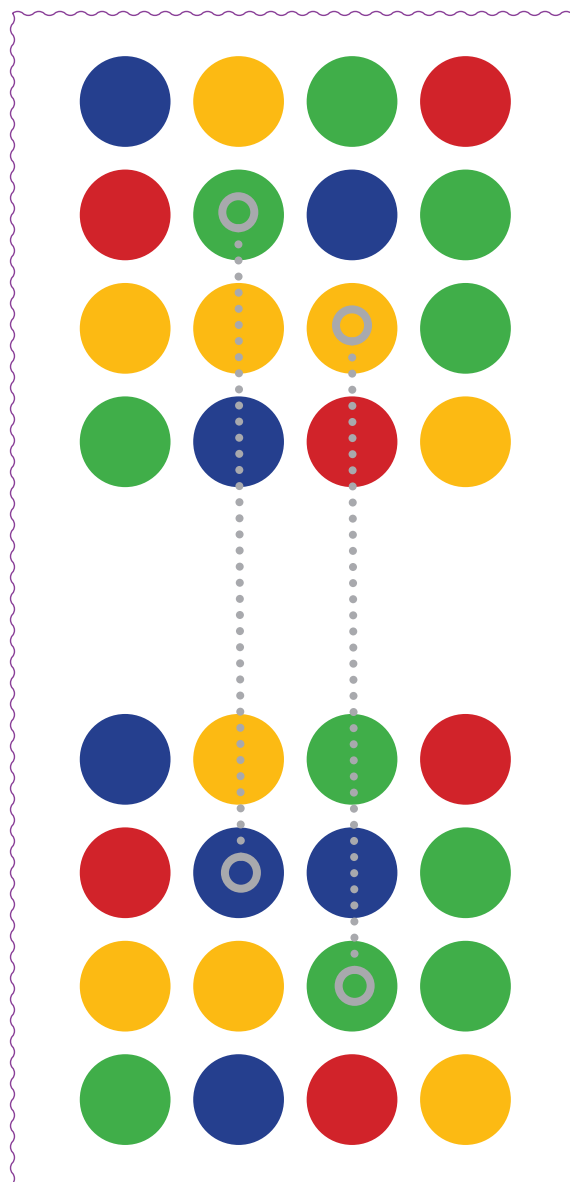
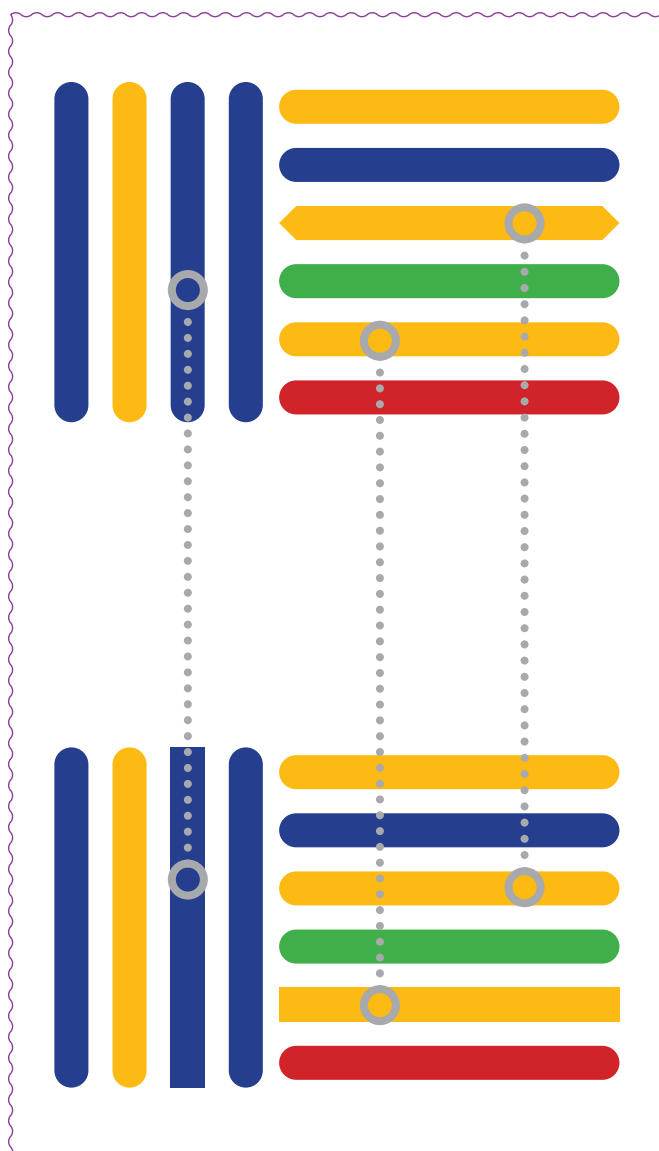
## ... COPYING PATTERNS ...



... COMPARING AND COMPLETING PATTERNS...

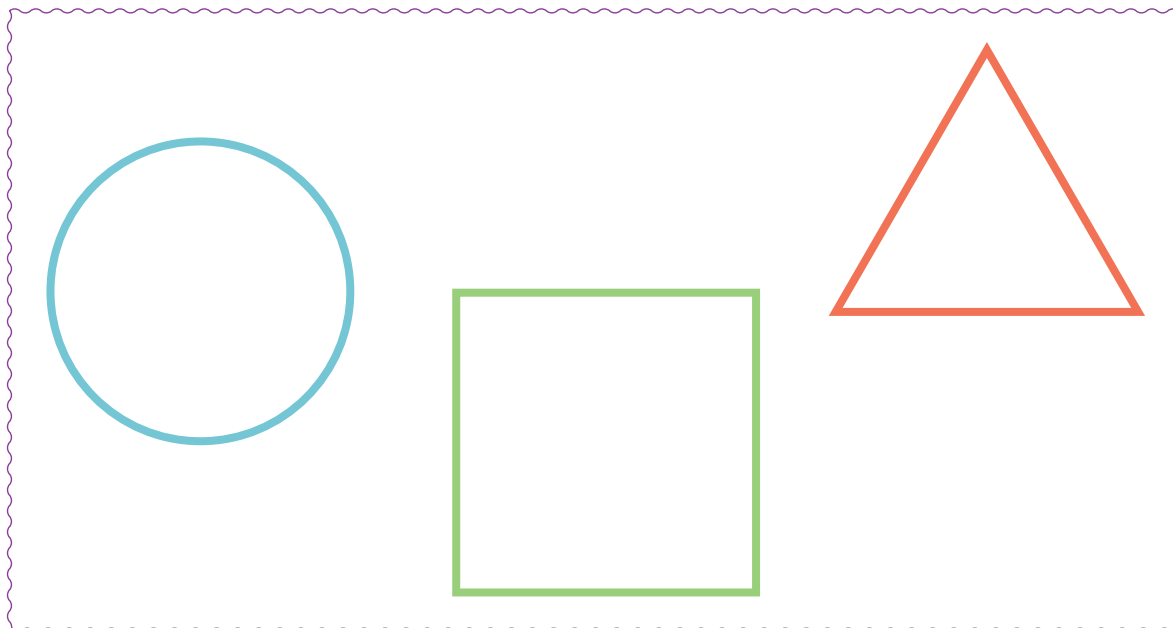


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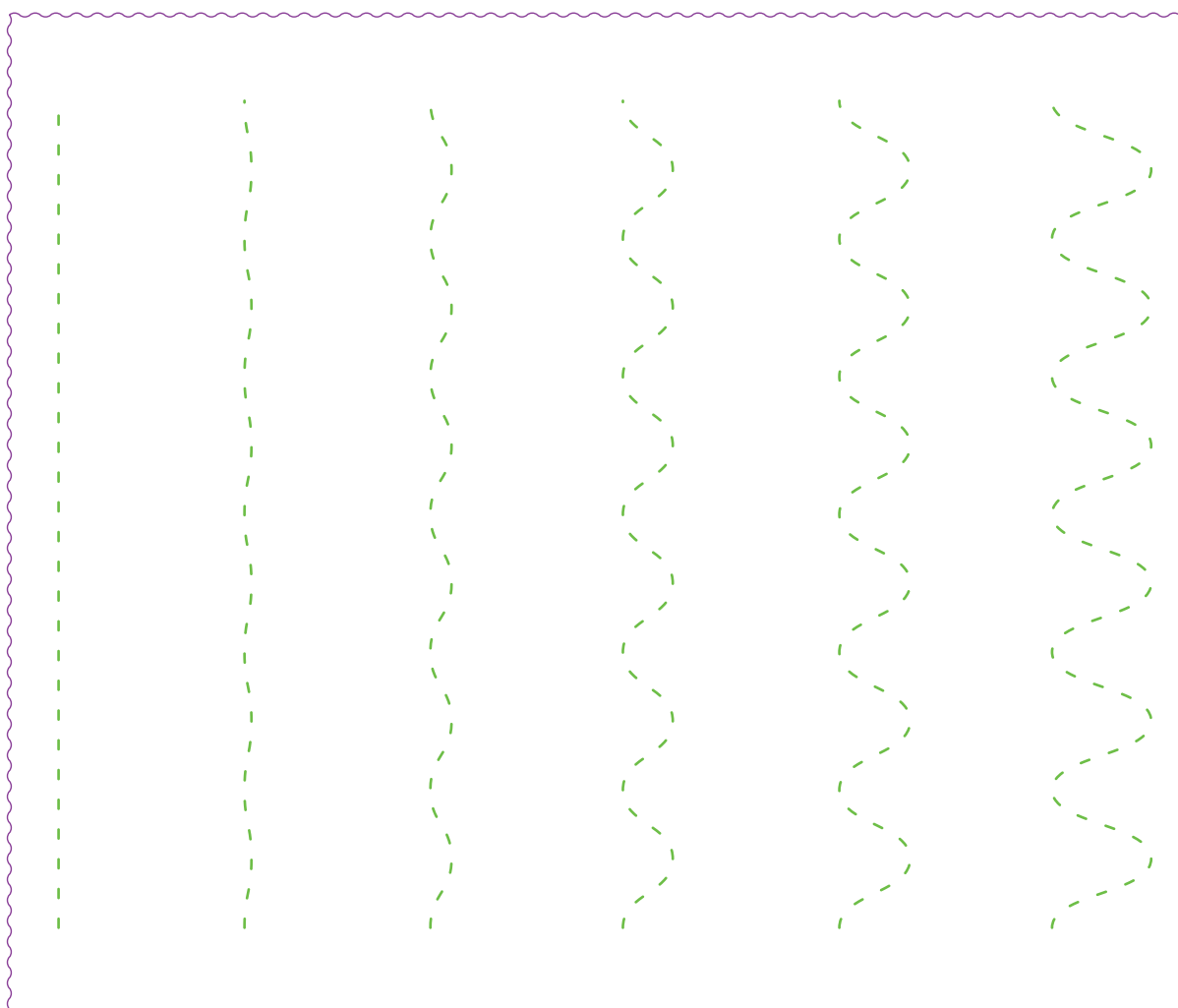


Different types of Brainscribed tasks

## COPYING OF DIFFERENT SHAPES ...

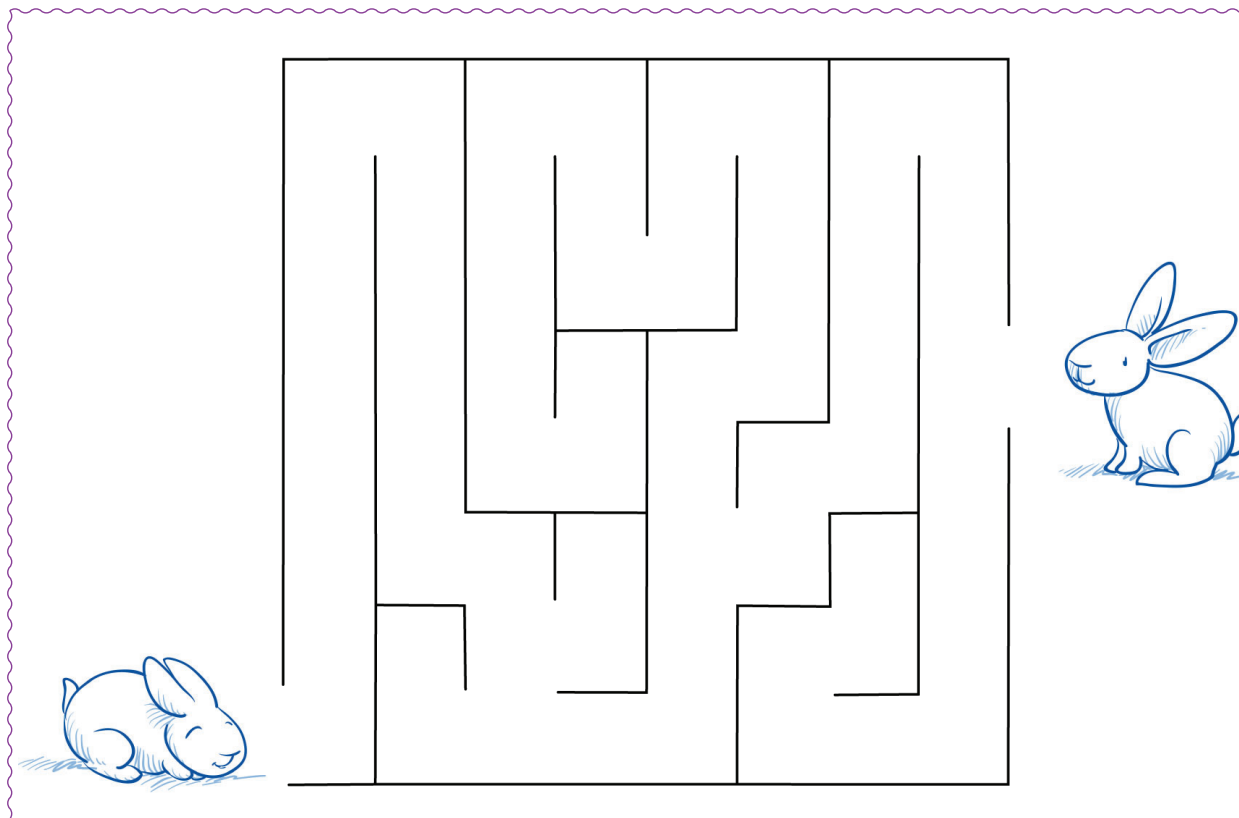


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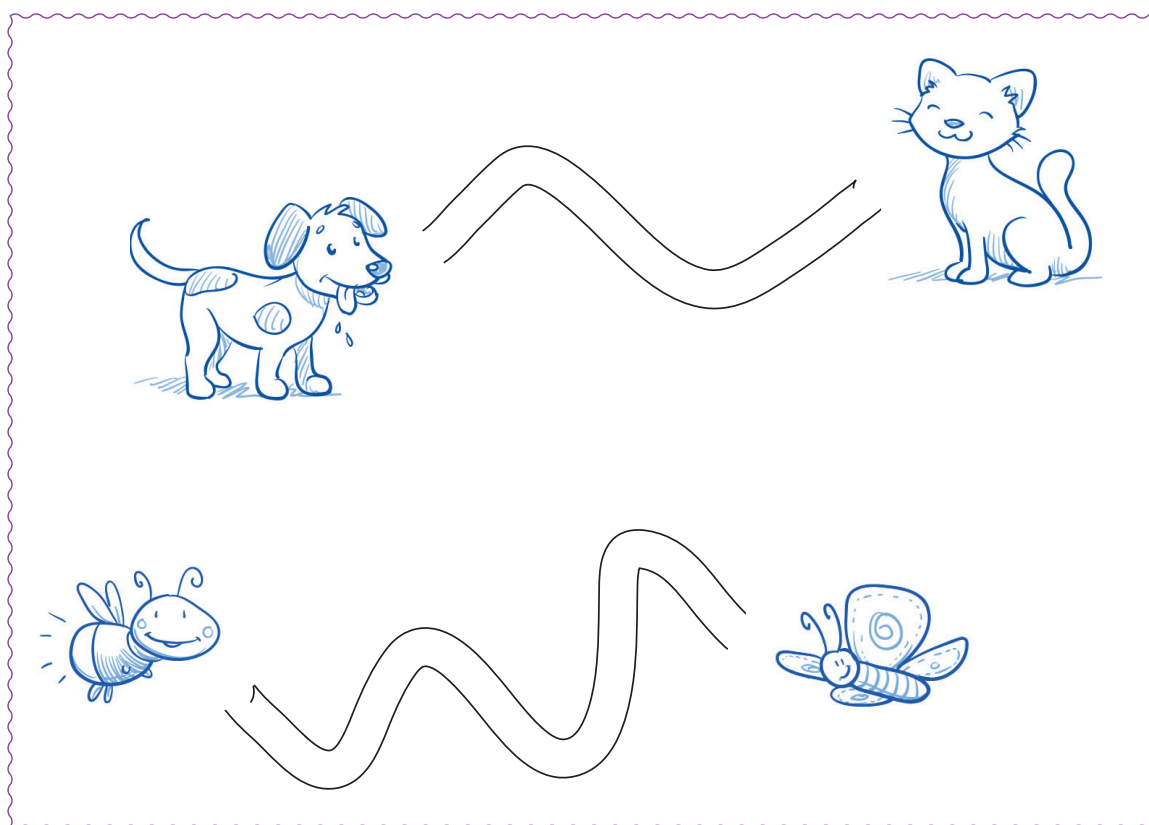




... SOLVING MAZES ...



... CHANELLING - DRAWING A PATH BETWEEN TWO GUIDING LINES...

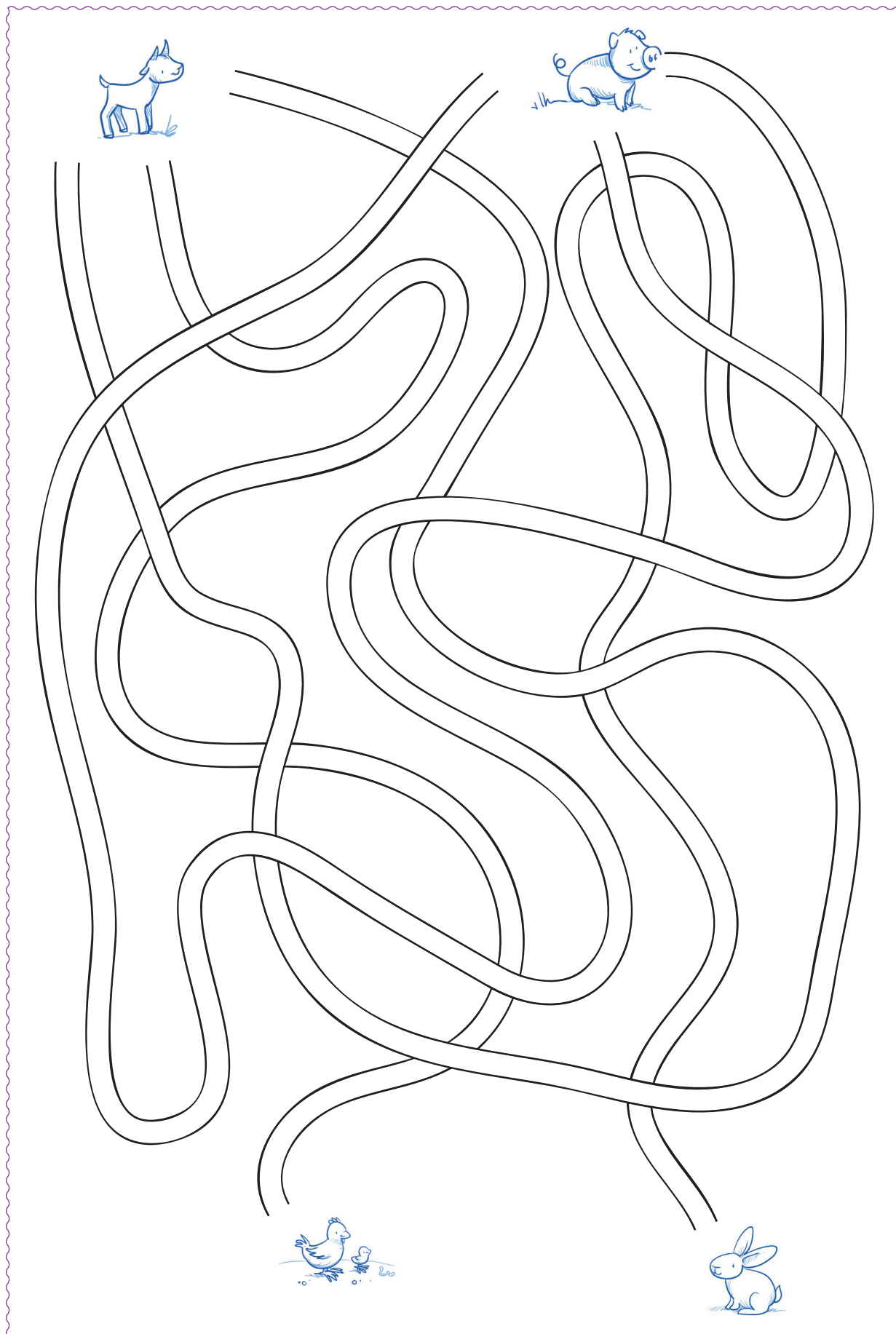


Different types of Brainscribed tasks

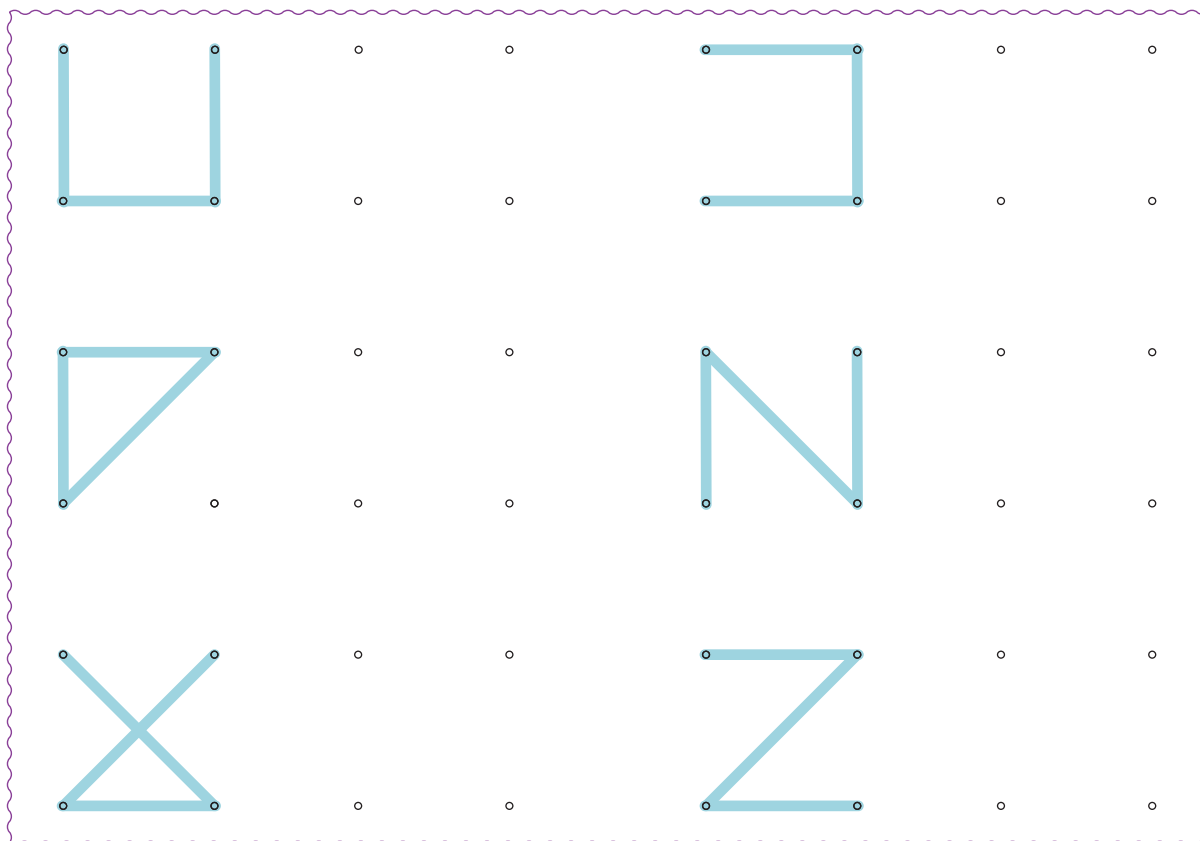


... SEARCHING AND TRACING PATHS ...

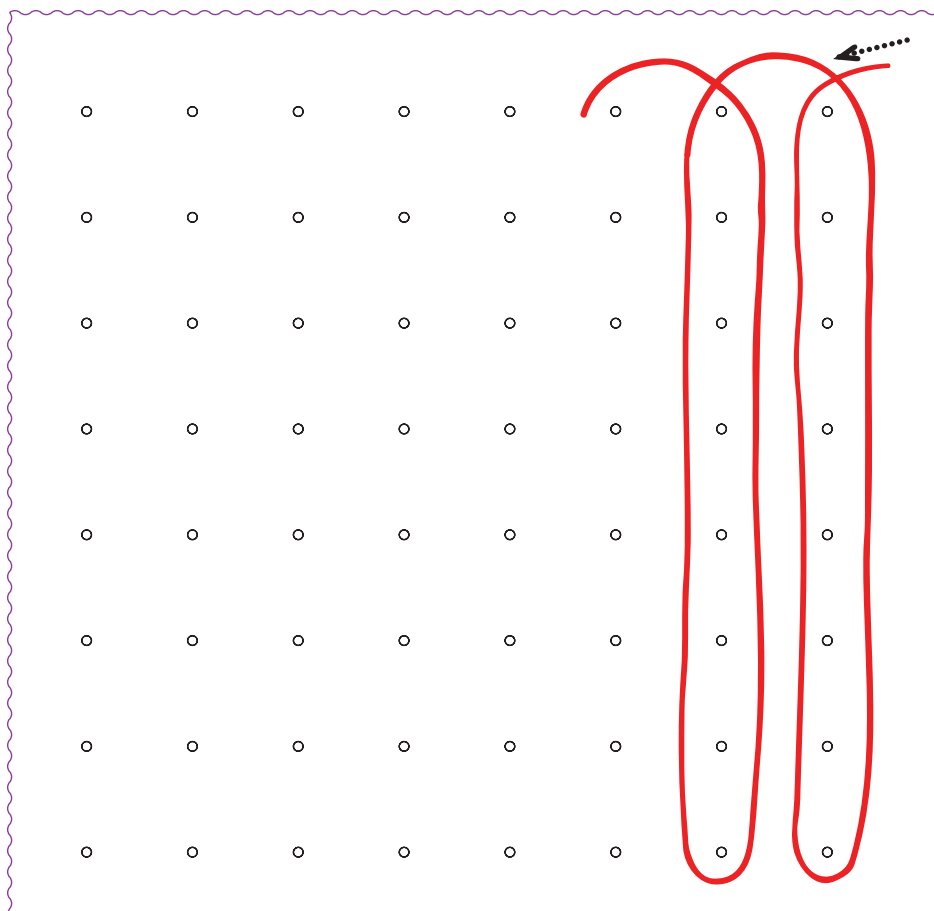
# Different types of Brainscribed tasks



... CONNECTING DOTS ...

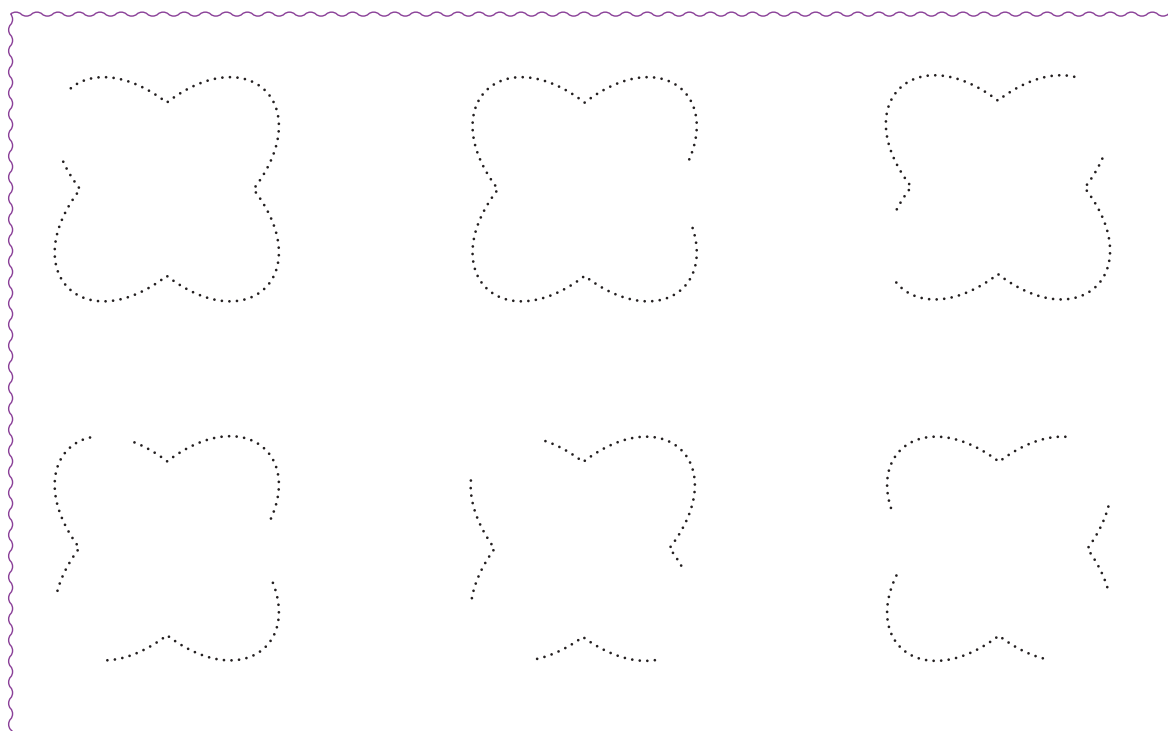


... DRAWING CURVES AND LOOPS IN A GRID...

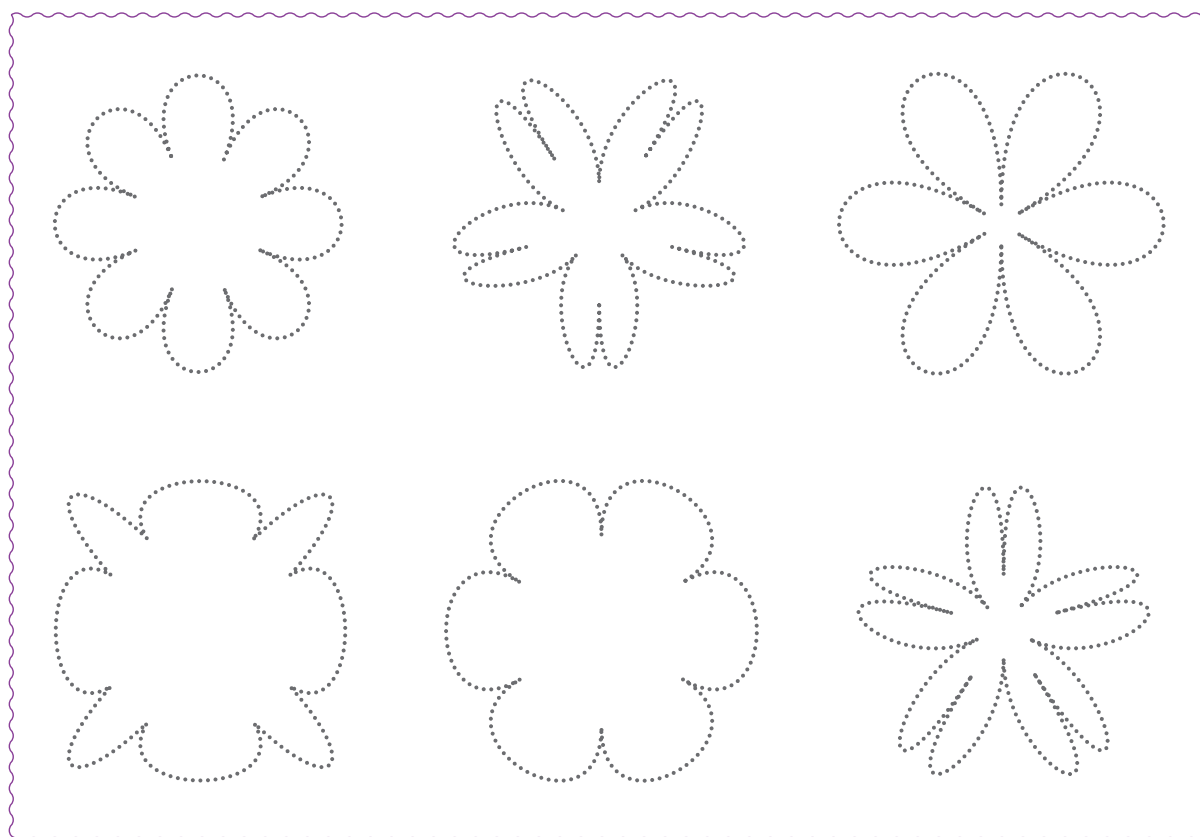


Different types of Brainscribed tasks

... SEARCHING AND COMPLETING SHAPES ...



... TRACING DIFFERENT SHAPES ...



... AND MANY OTHER TYPES OF EXERCISES IN THE VARIOUS  
BRAINSCRIBED WORKBOOKS!