FREE BRAINSCRIBED SAMPLE WORKBOOK

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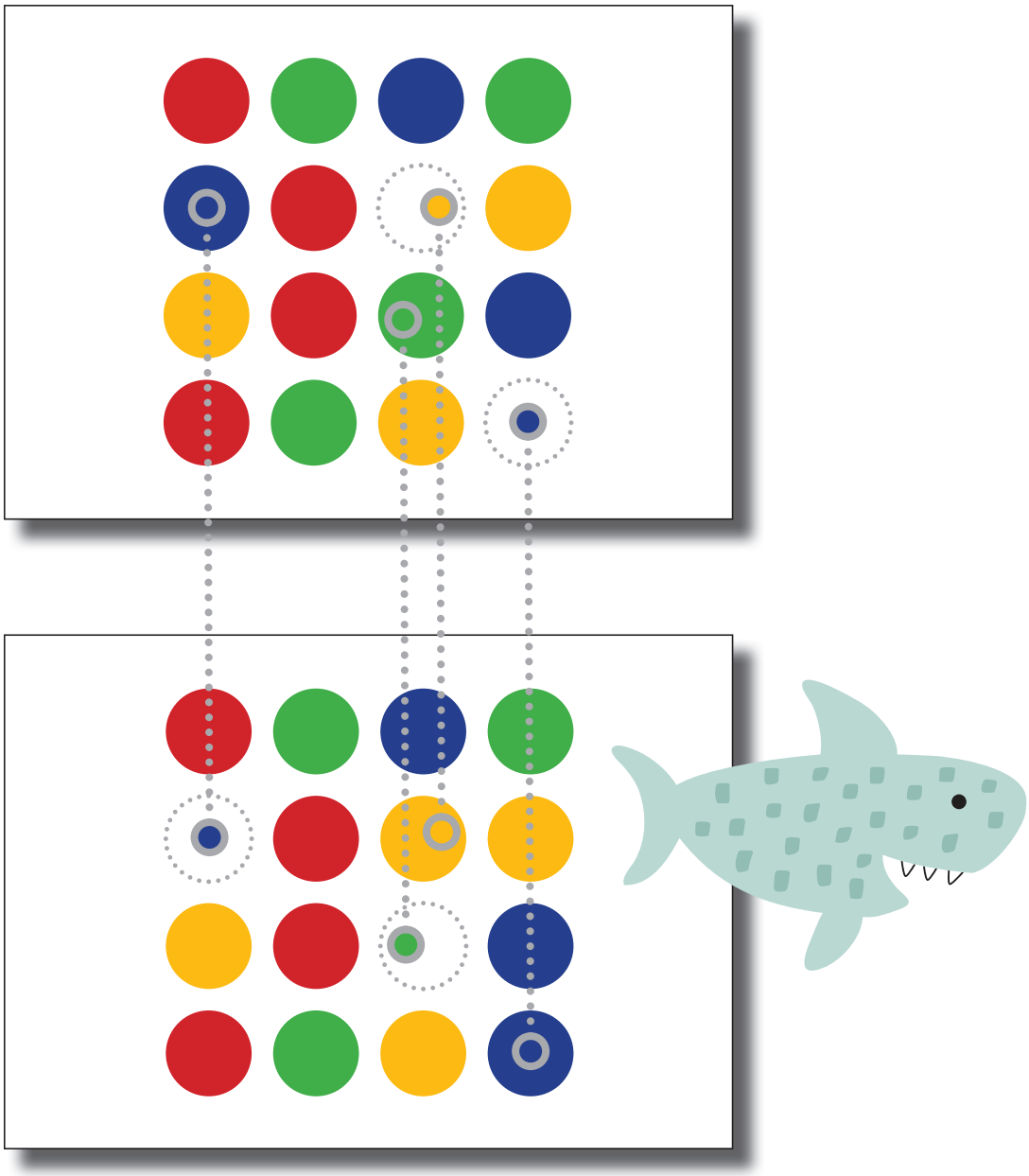
P-7-3

PATTERNS - KROGI V MREŽI

4X4 GRID - MIRRORING



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4X4 GRID - MIRRORING

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VZORCI - KROGI V MREŽI
4X4 GRID - MIRRORING

dr. Kristijan Musek Lešnik
dr. Petra Lešnik Musek

Title of the workbook: KROGI 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.

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First edition, 2025
Number of pages: 256

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

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Tasks in this workbook

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

The children compare the two patterns to identify which dots belong to the spots where the sticks are missing.

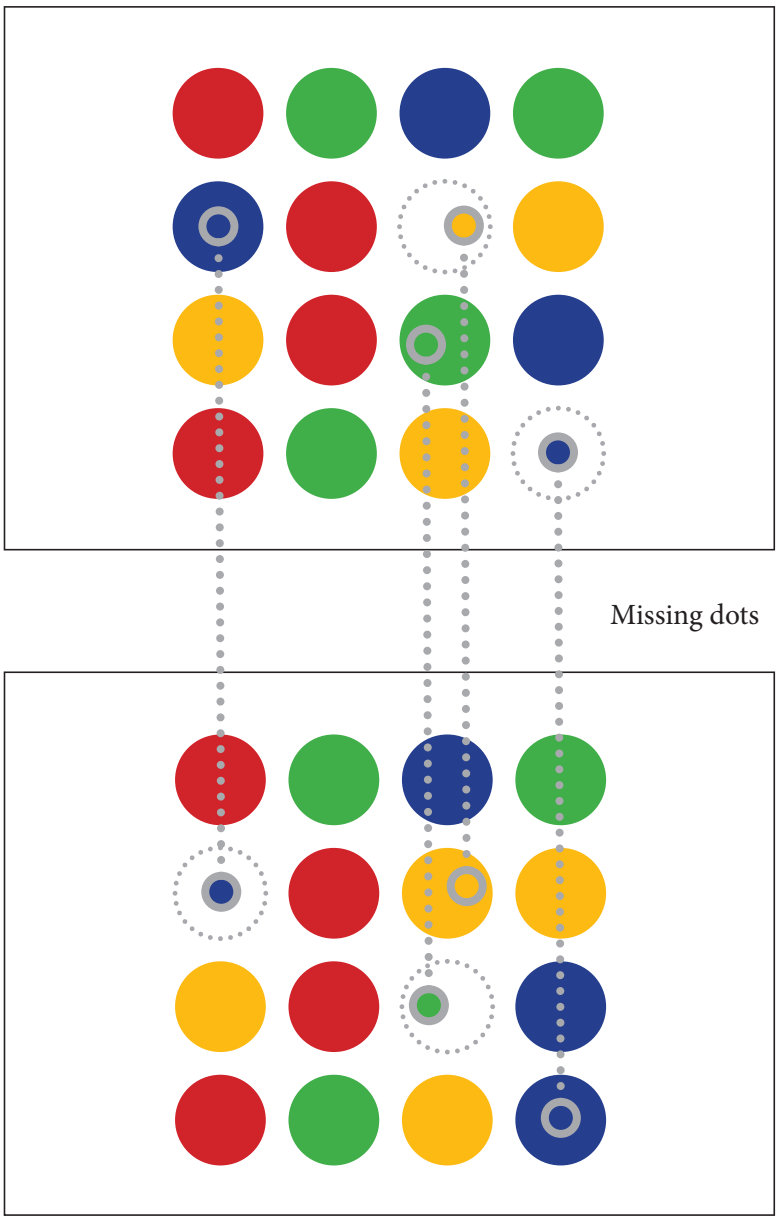
Each pattern consists of sixteen dots coloured in four colours: blue, red, yellow and green.

The number of missing dots 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 dots to make two identical patterns.

Example:



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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

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 dots in the empty spaces to create two identical patterns,
- version 2 - children pick the corresponding coloured dots 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 dots to create two identical patterns.

On pages 6 to 13 you will find printed coloured dots 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 dots 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 diameter), medium (70mm diameter) or larger dots (120mm diameter).

Print and then laminate as many copies of the sheets with coloured dots 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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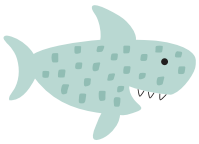

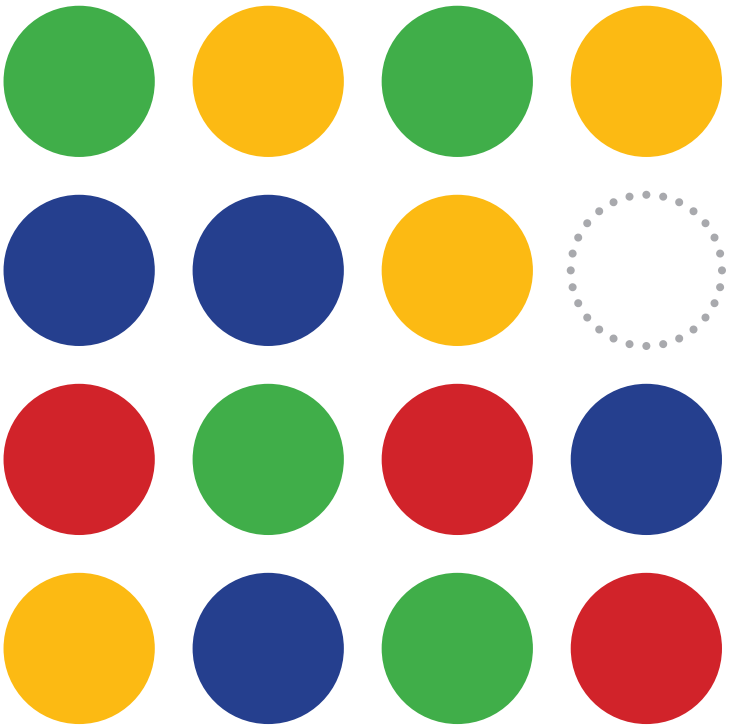

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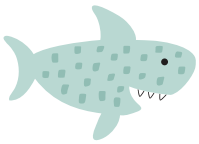

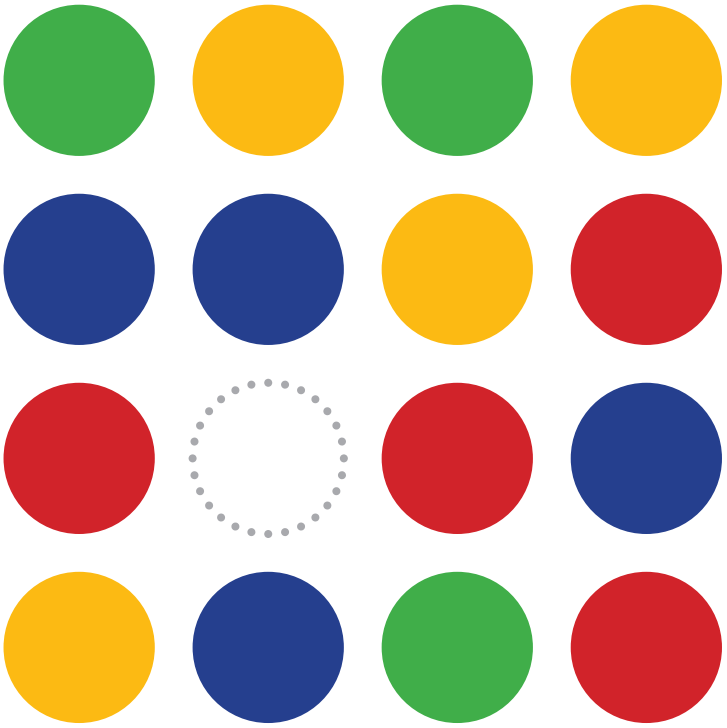

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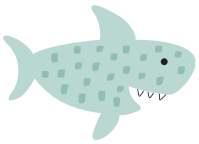

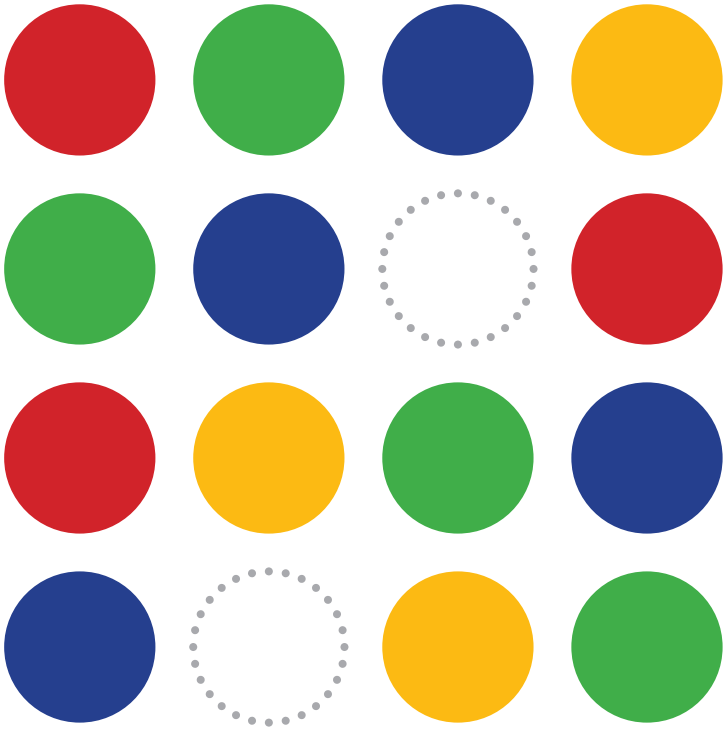

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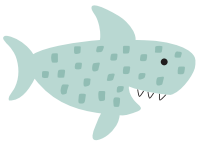

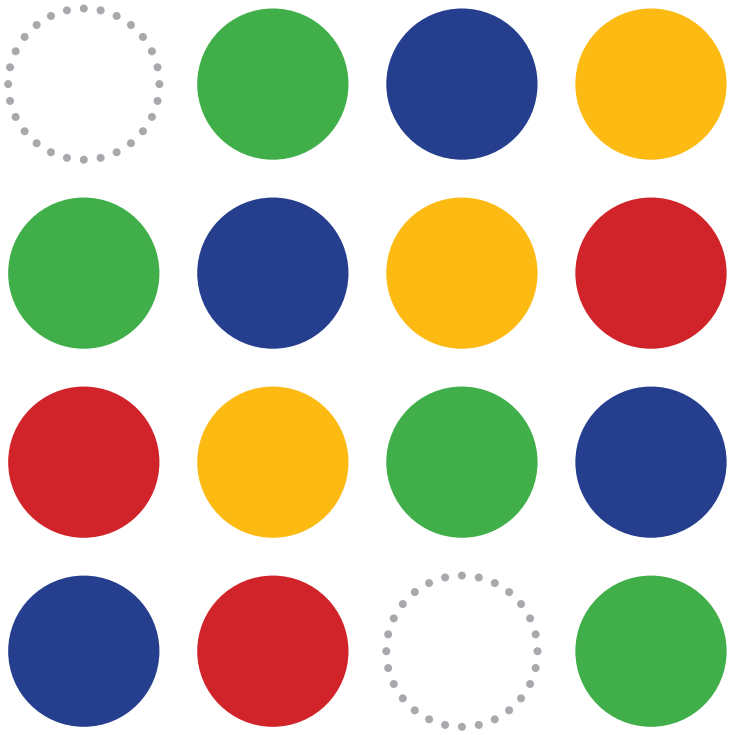

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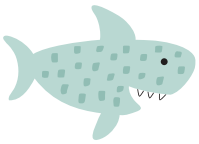

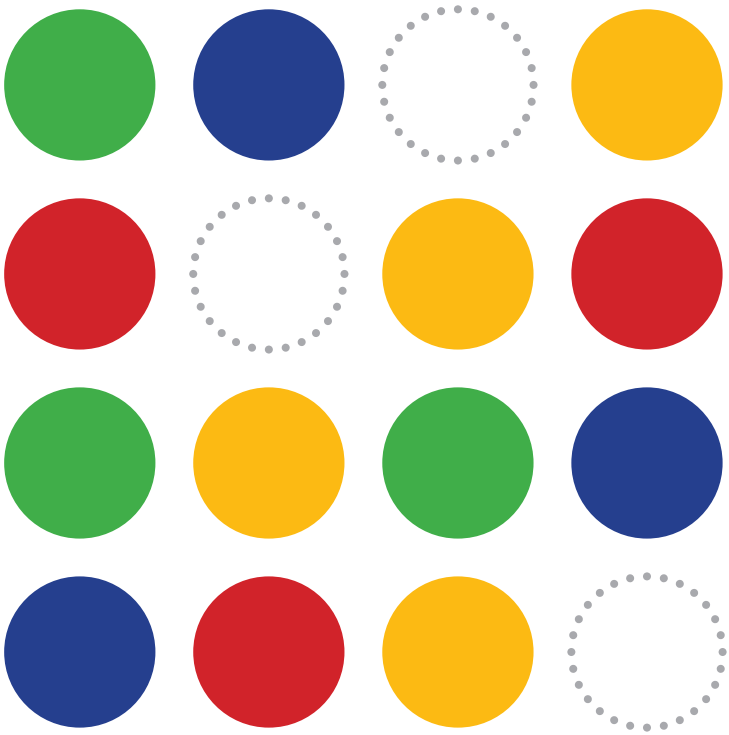

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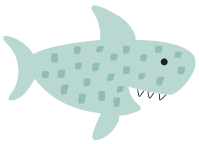

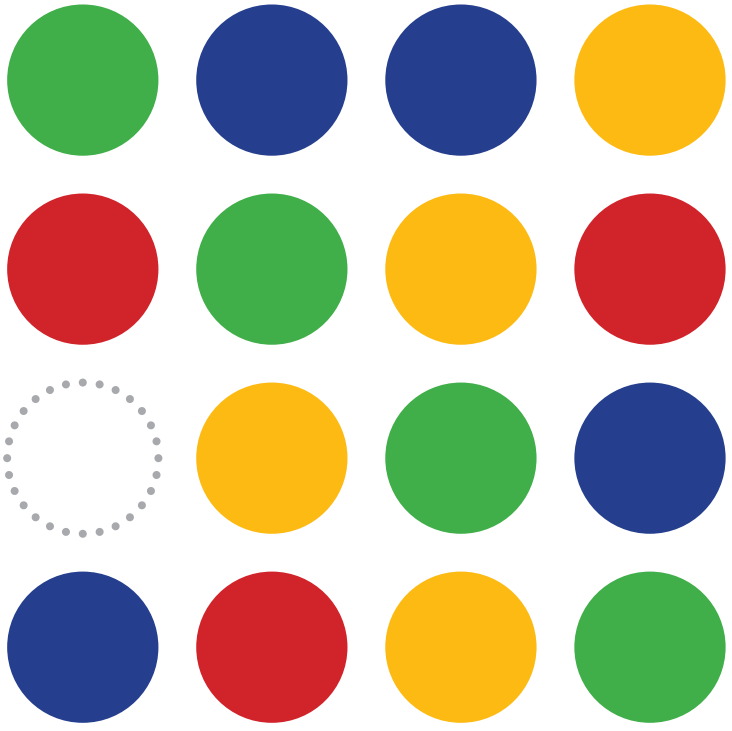

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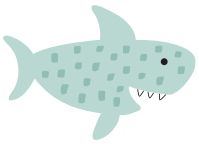

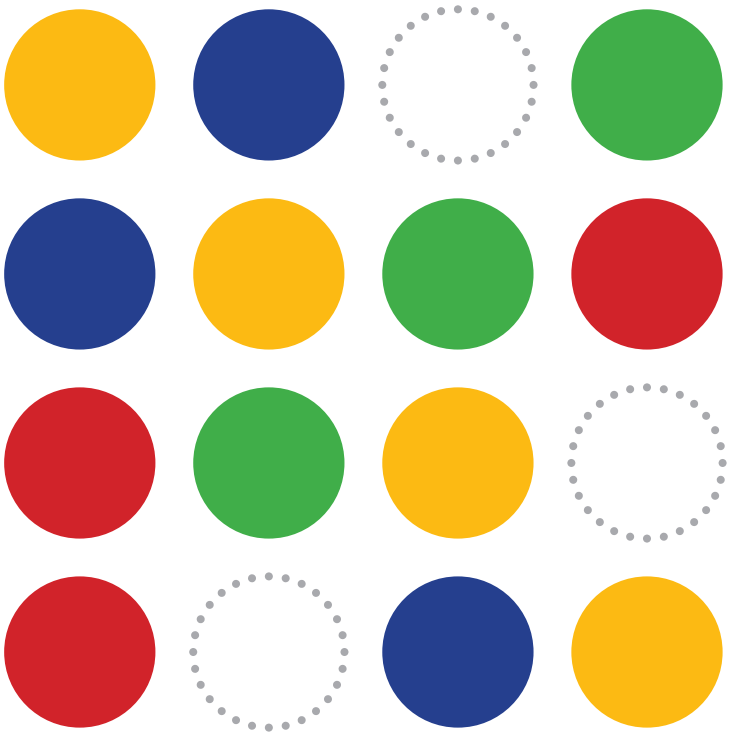

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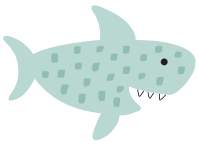

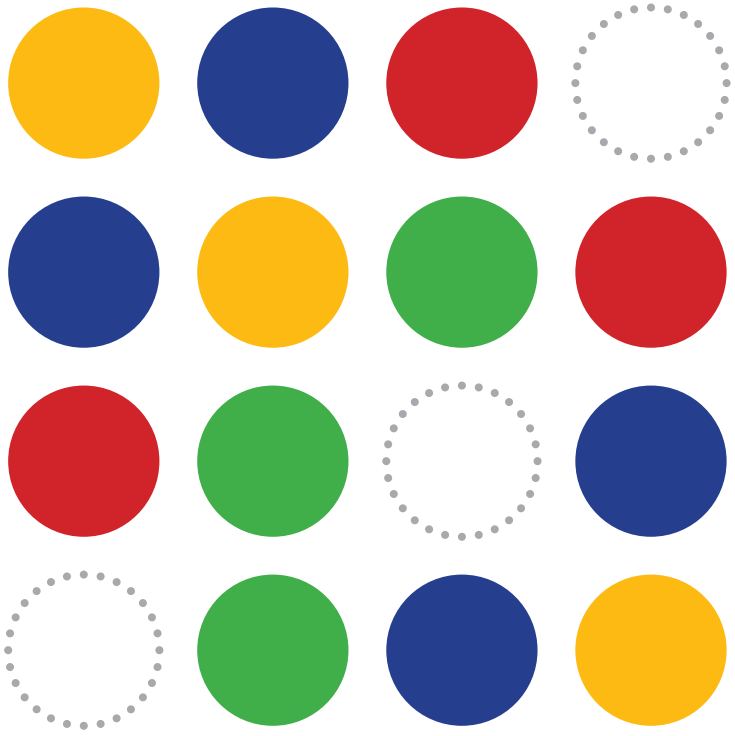

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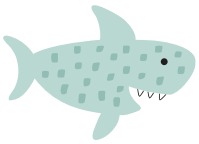

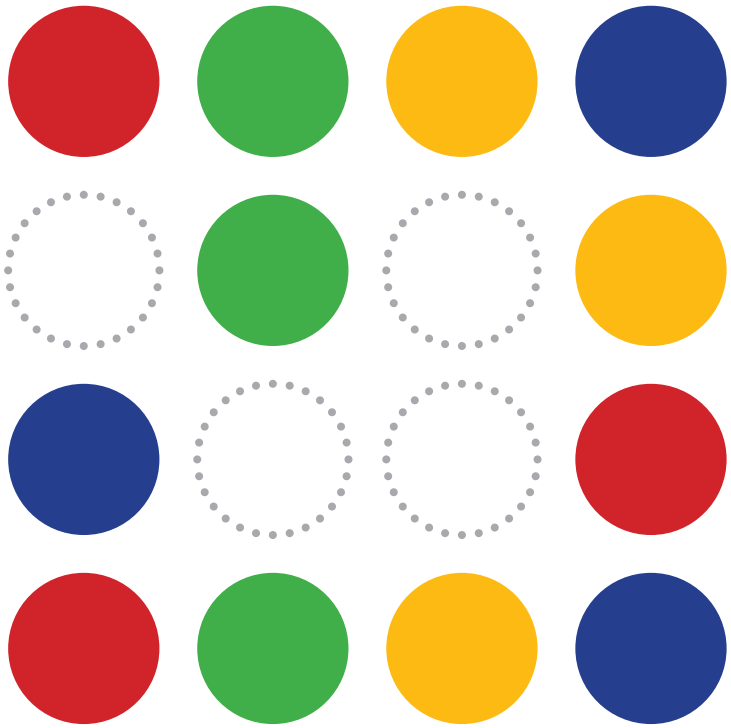

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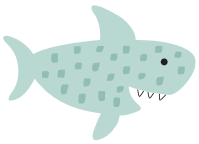

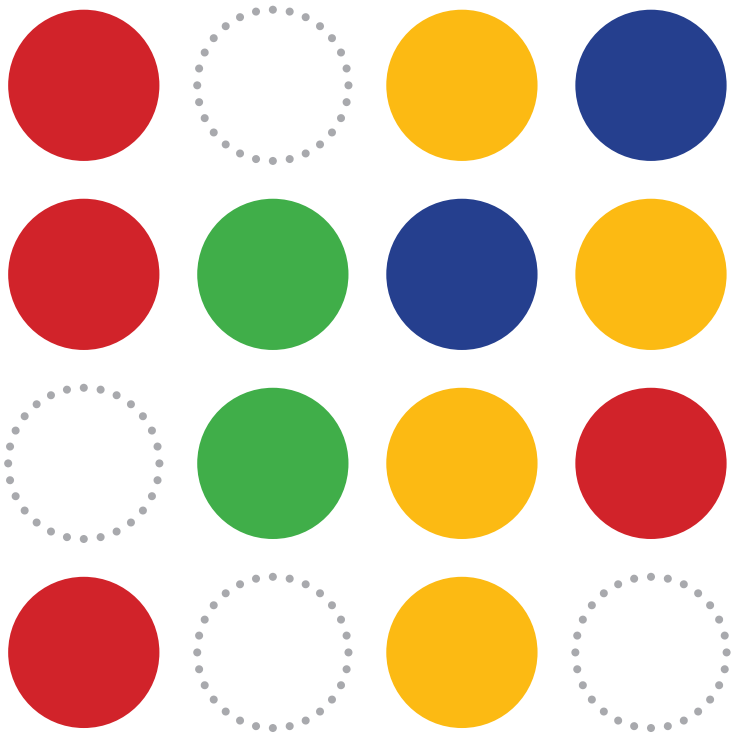

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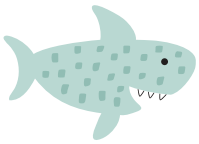

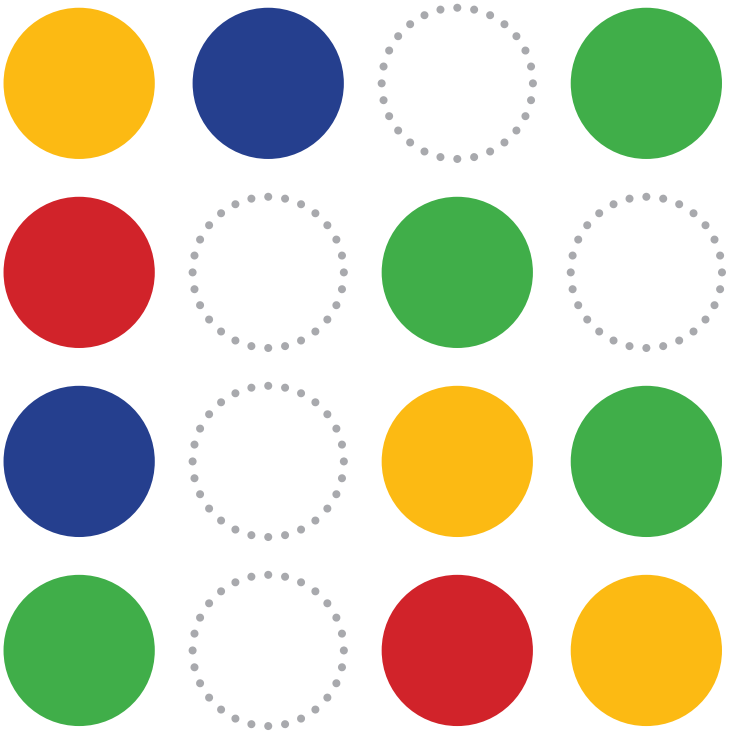

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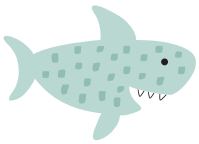

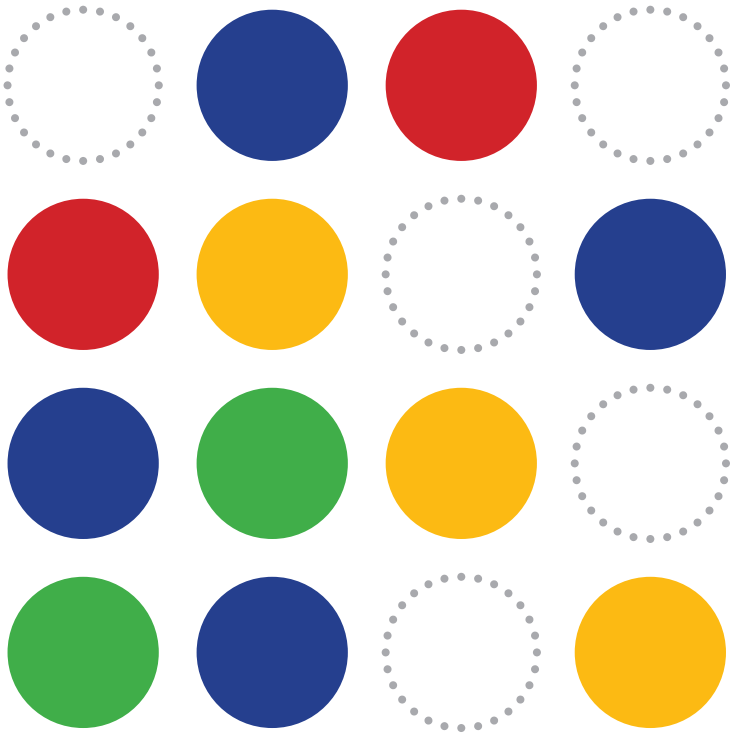

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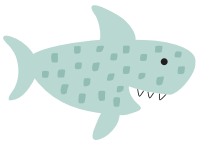

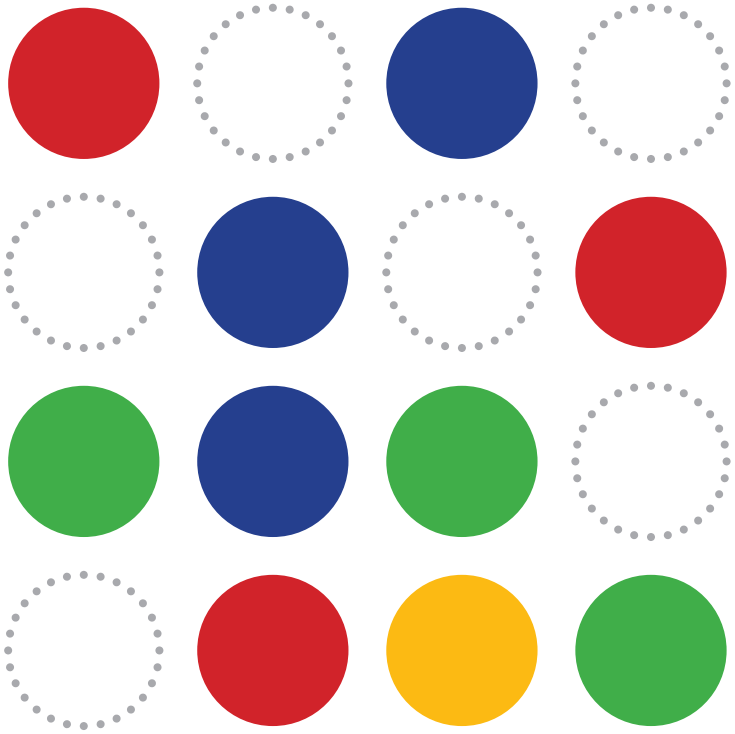

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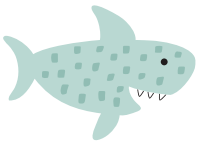

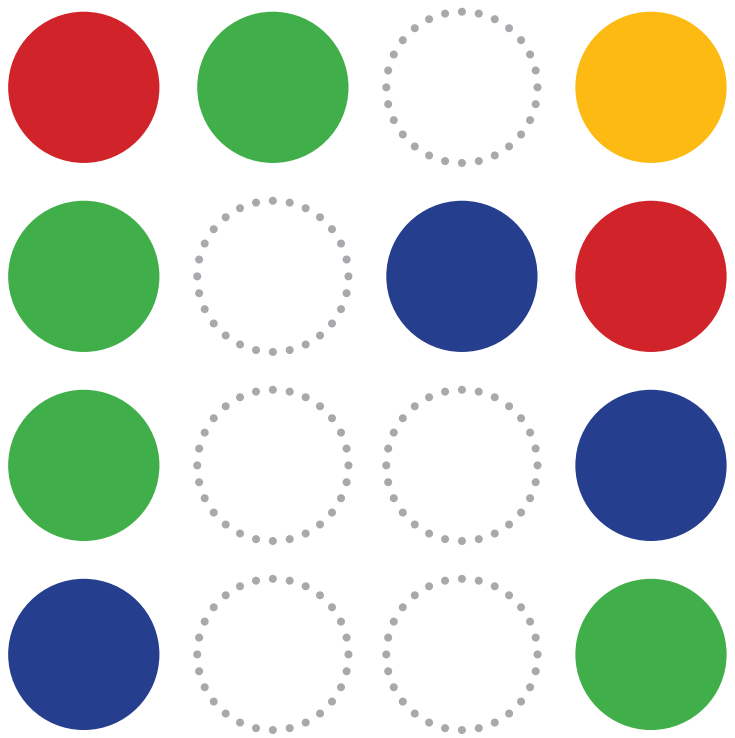

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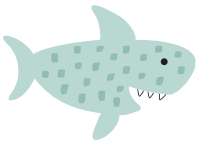

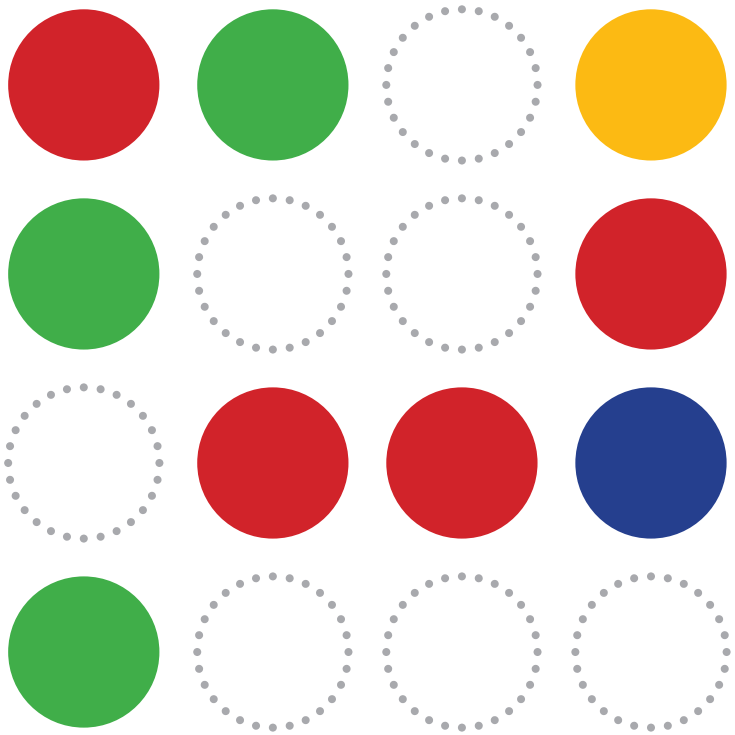

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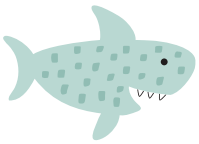

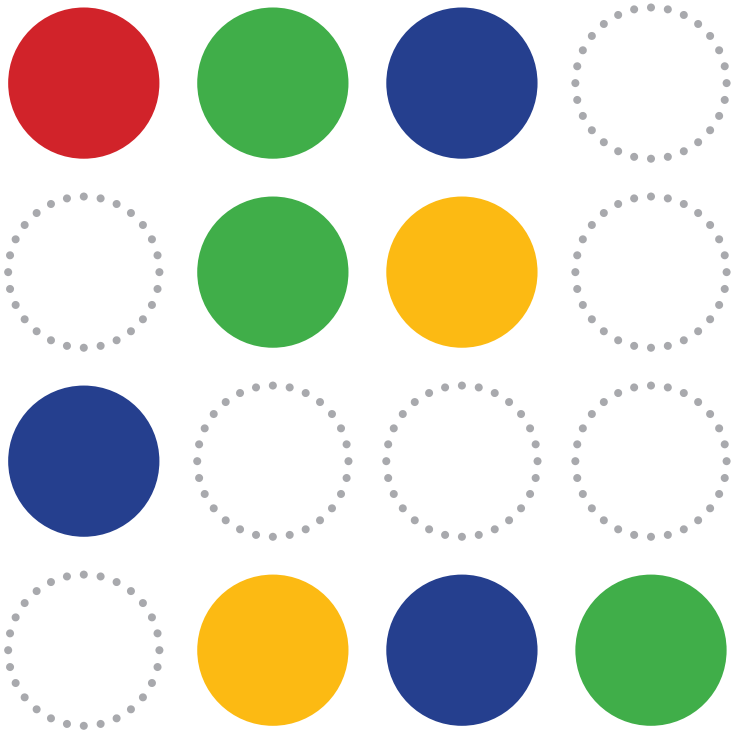

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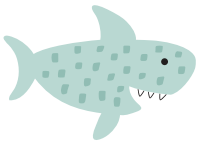

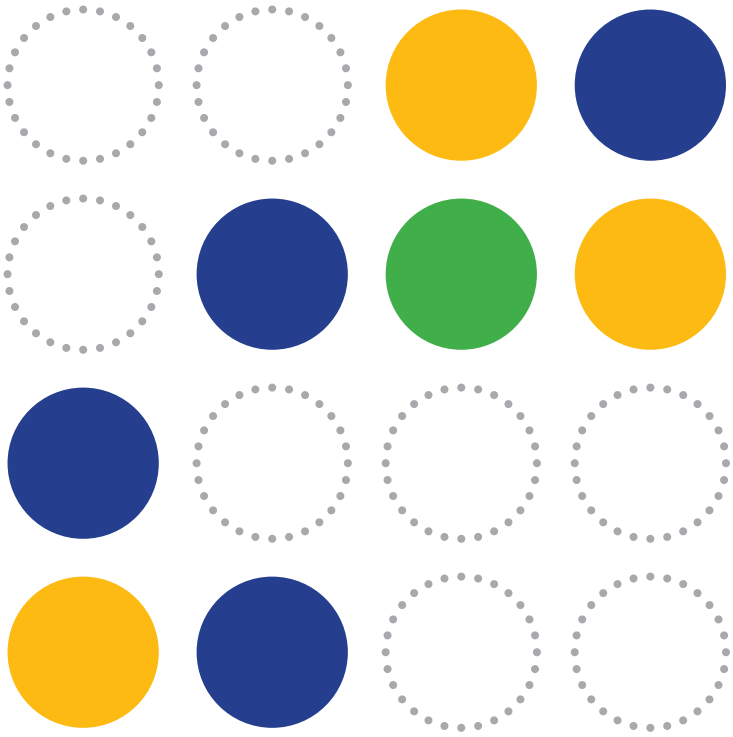

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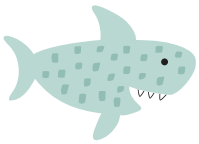

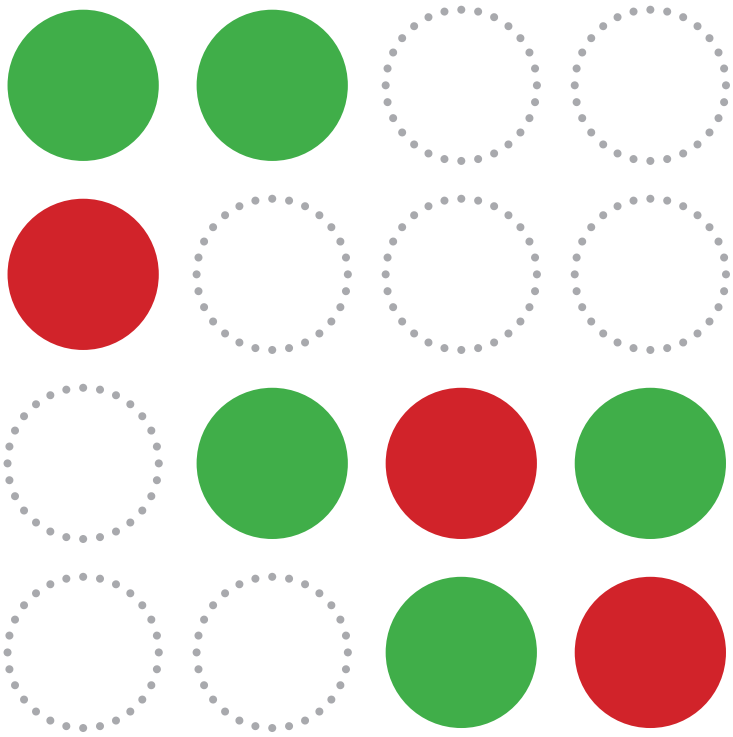

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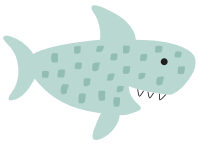

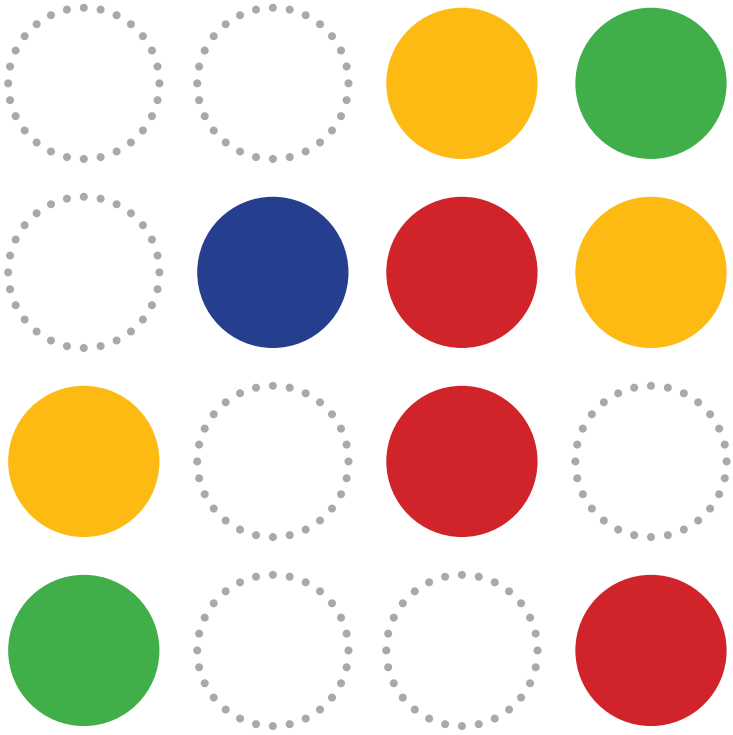

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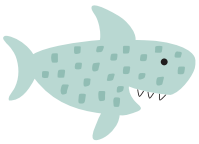

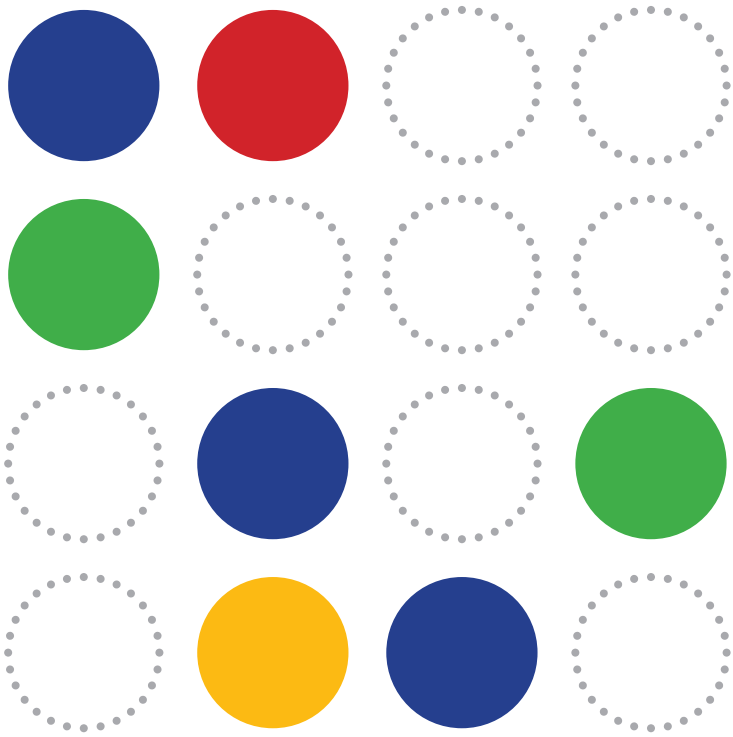

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About Brainscribed program

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 skils 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 excercises 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 excercises 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 avtivities).

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 childre as well as offer **parents** developmentally appropriate and gradually challenging tasks for their children.

Activities for **EVERY** child ...

... and for children with **DIFFICULTIES**

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

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 Comittee, Slovenia.

Dr. Petra Lešnik Musek (Ph.D. in Developmental Psyhology) - 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.

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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
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EIGHT STICKS

Volume P-4-1: PATTERNS - STICKS: 8 STICKS - COLOURS
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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
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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 GRIDI: 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 GRIDI: 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 GRIDI: 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

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Volume G-2-7: TRACING SHAPES: TRACING ROUNDED SHAPES
Volume G-2-8: TRACING SHAPES: TRACING IRREGULAR SHAPES

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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
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CHANELLING

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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

List of Brainscribed volumes - 2025

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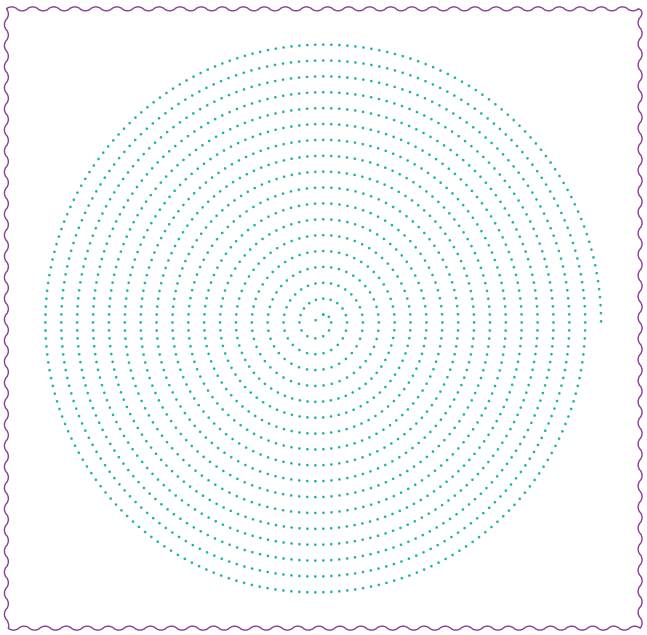
Different types of Brainscribed tasks

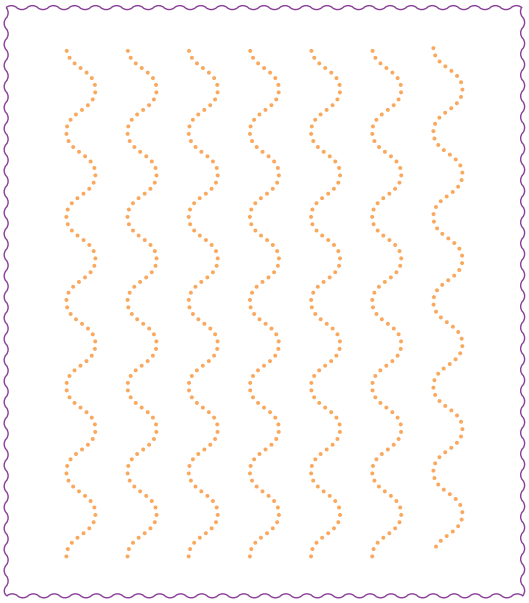
Brainscribed activities are organised into thematic workbooks.

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 ...





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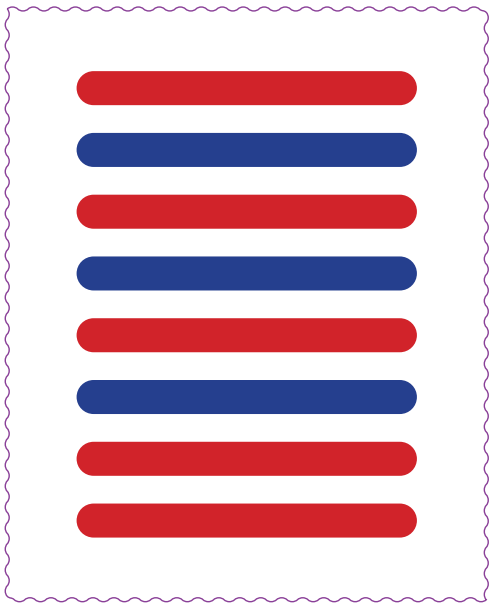

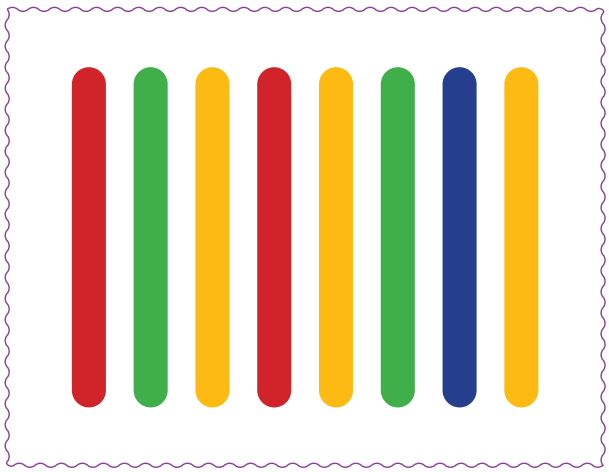

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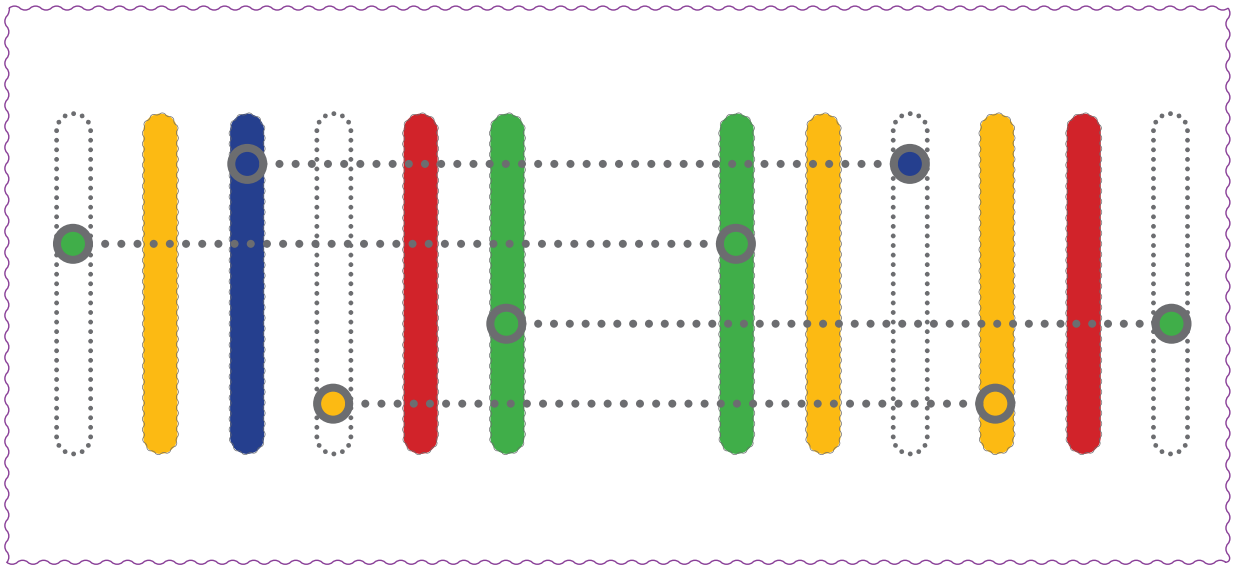
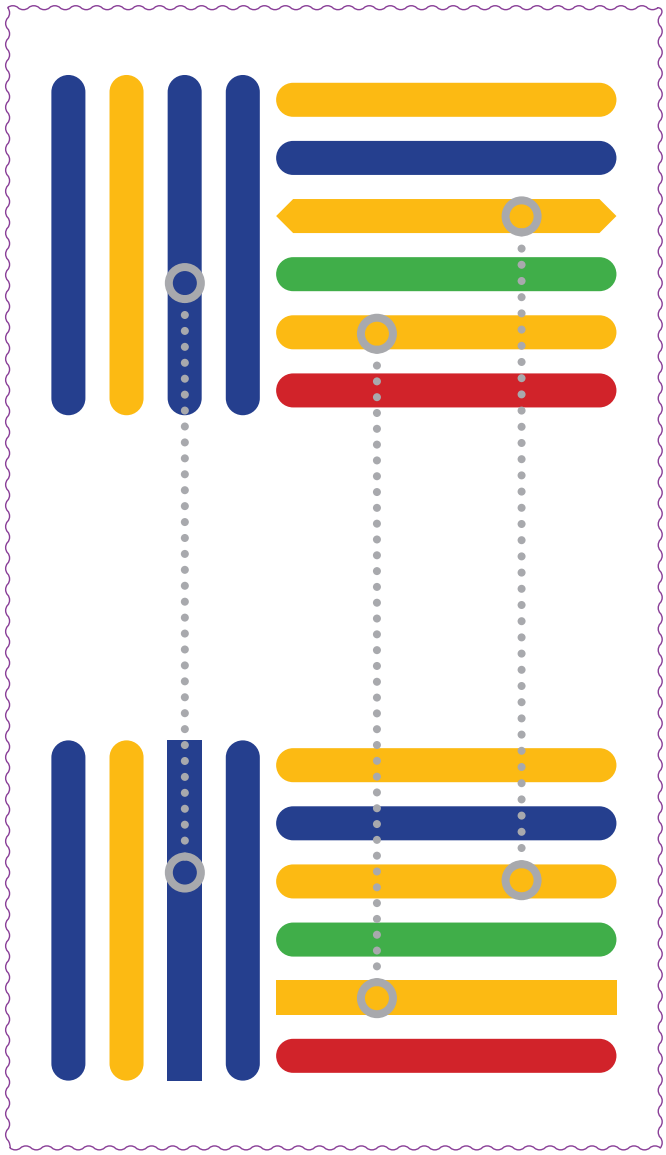
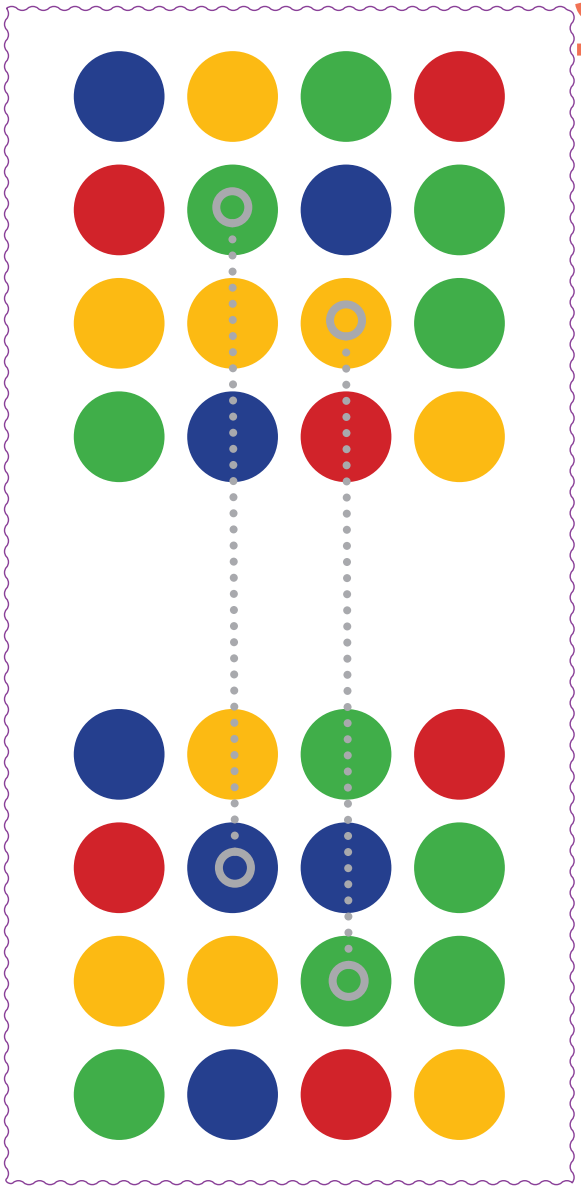
... COMPARING AND COMPLETING PATTERNS...



... FINDING THE DIFFERENCES ...





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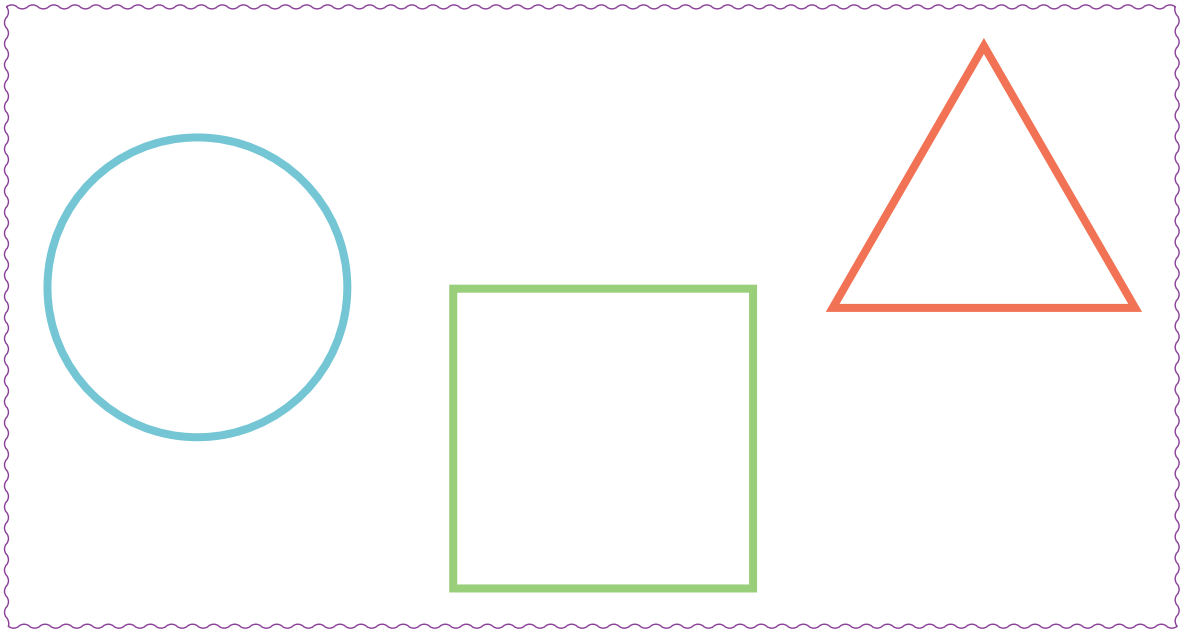
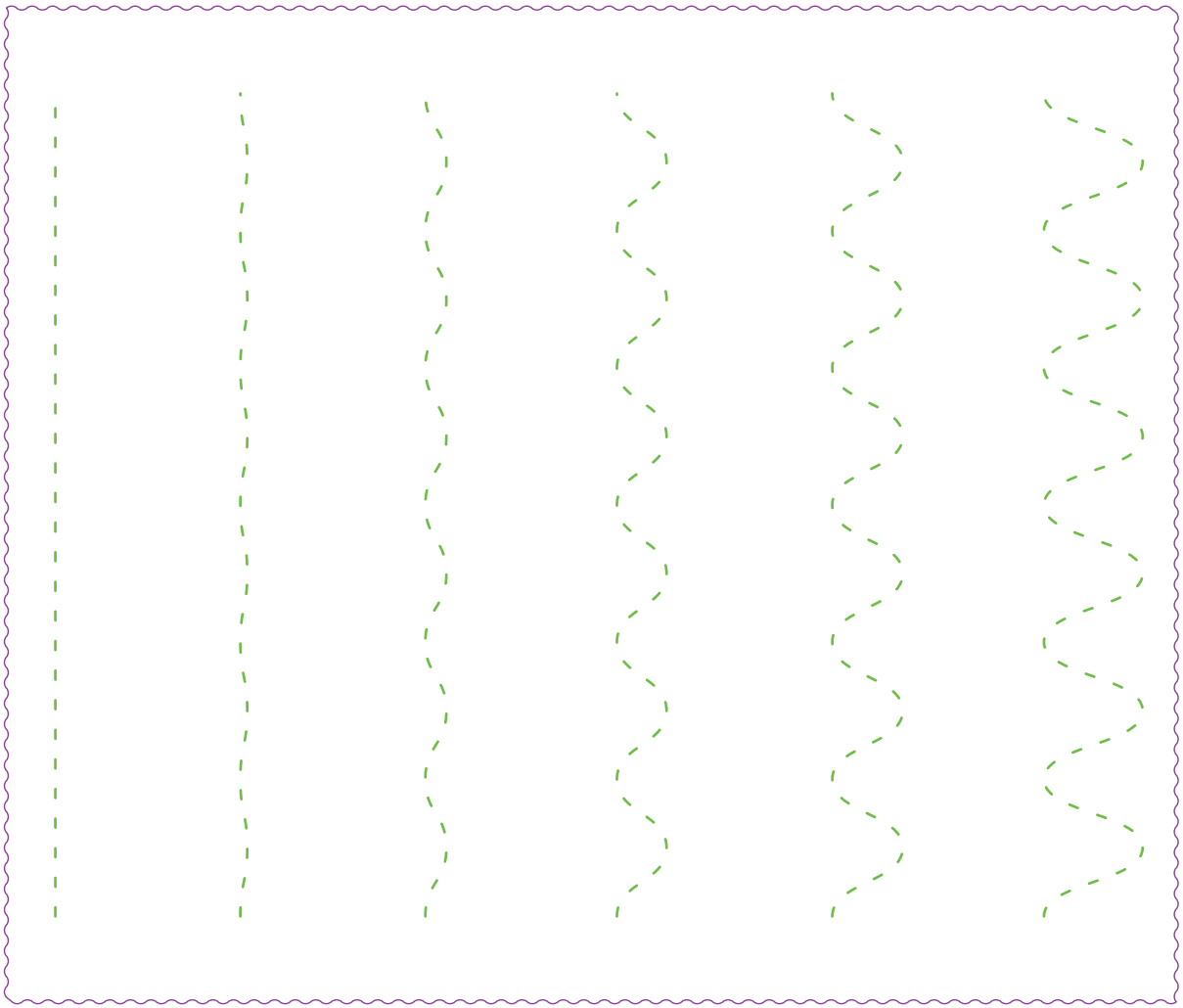
Different types of Brainscribed tasks

COPYING OF DIFFERENT SHAPES ...



... TRACING LINES ...



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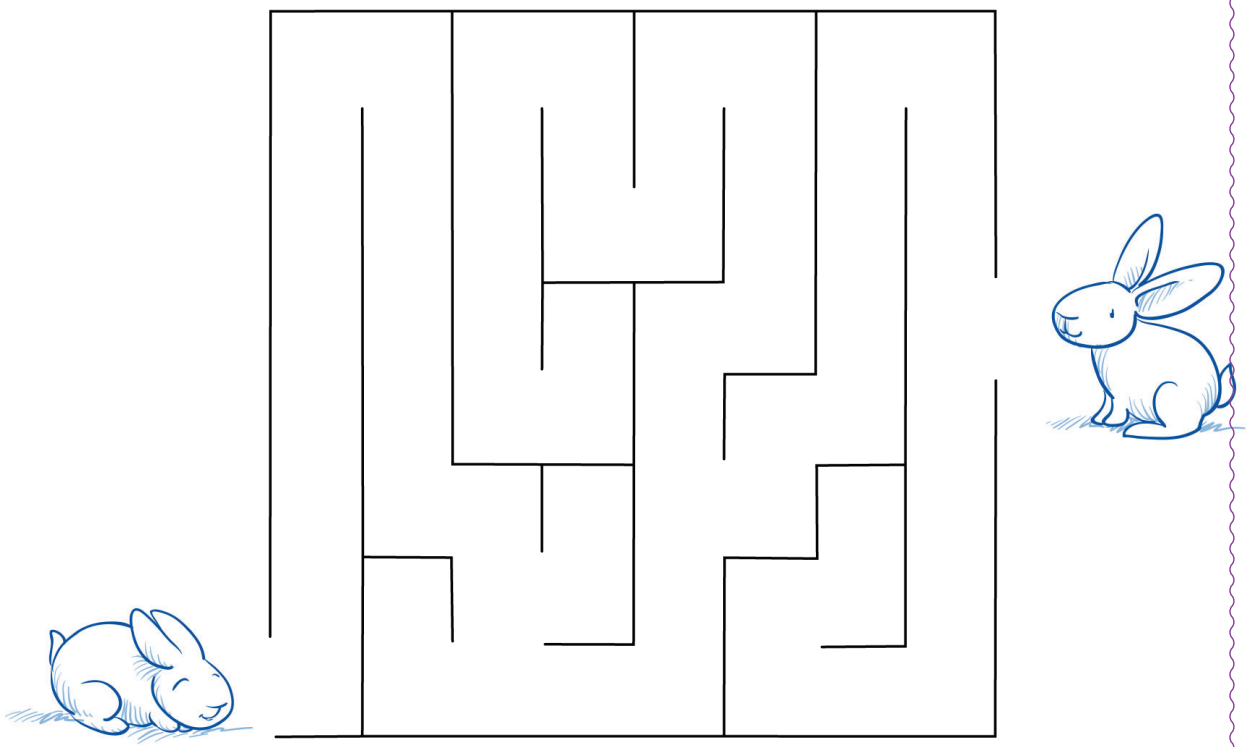
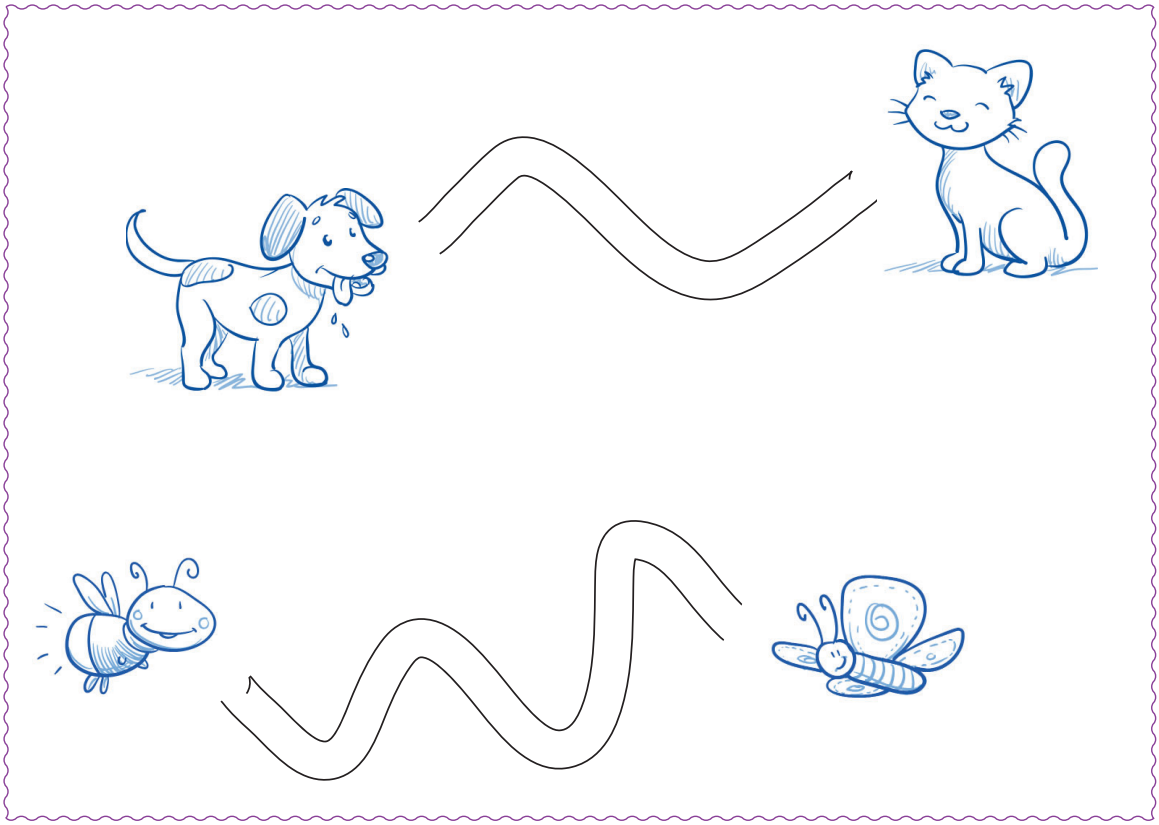
... SOLVING MAZES ...



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



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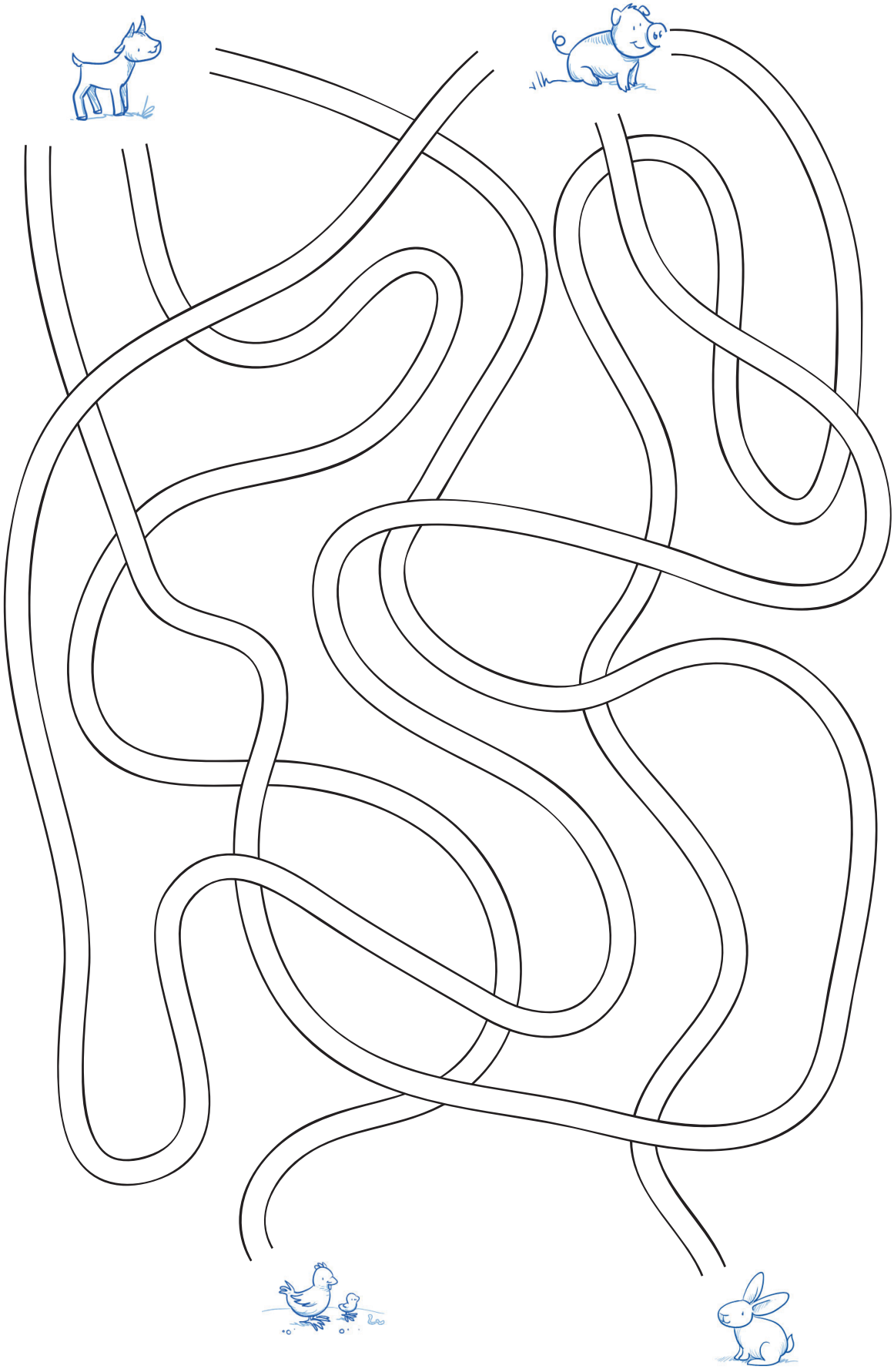
... SEARCHING AND TRACING PATHS ...



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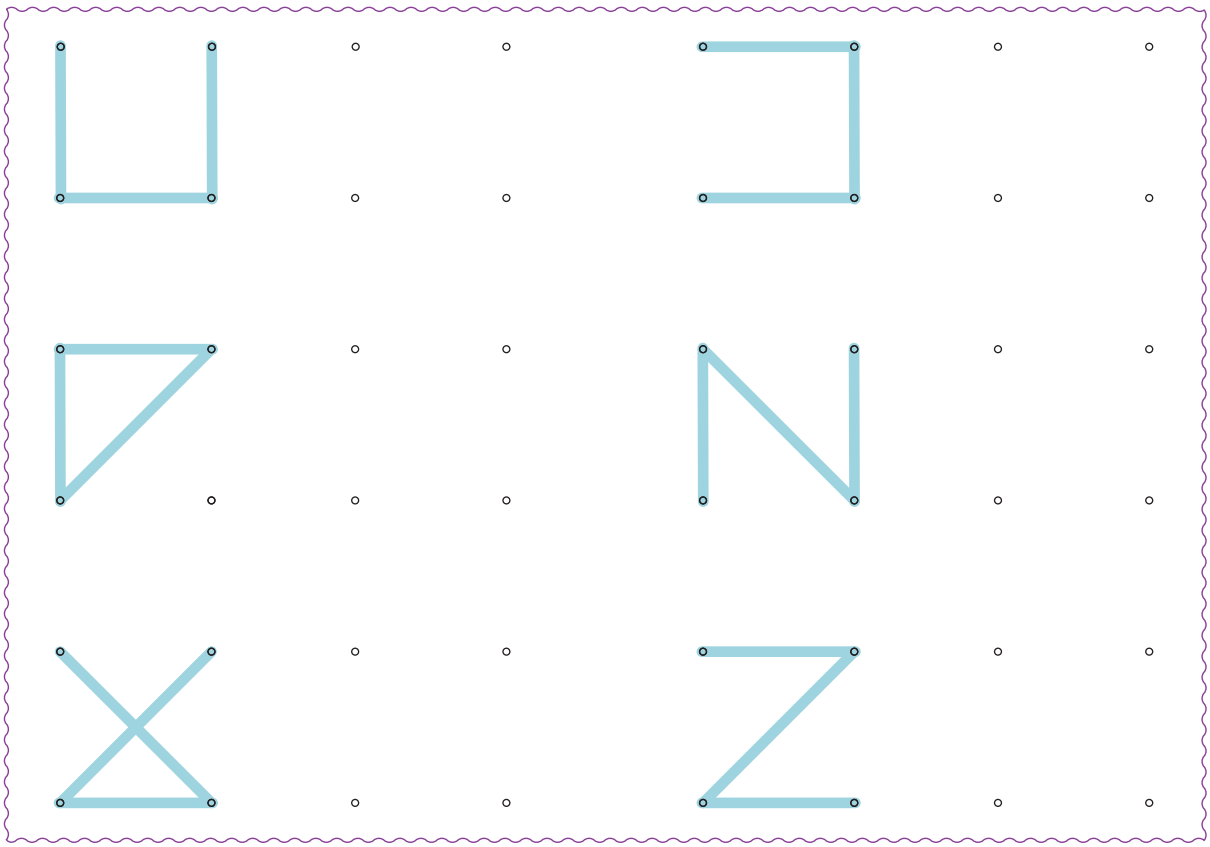
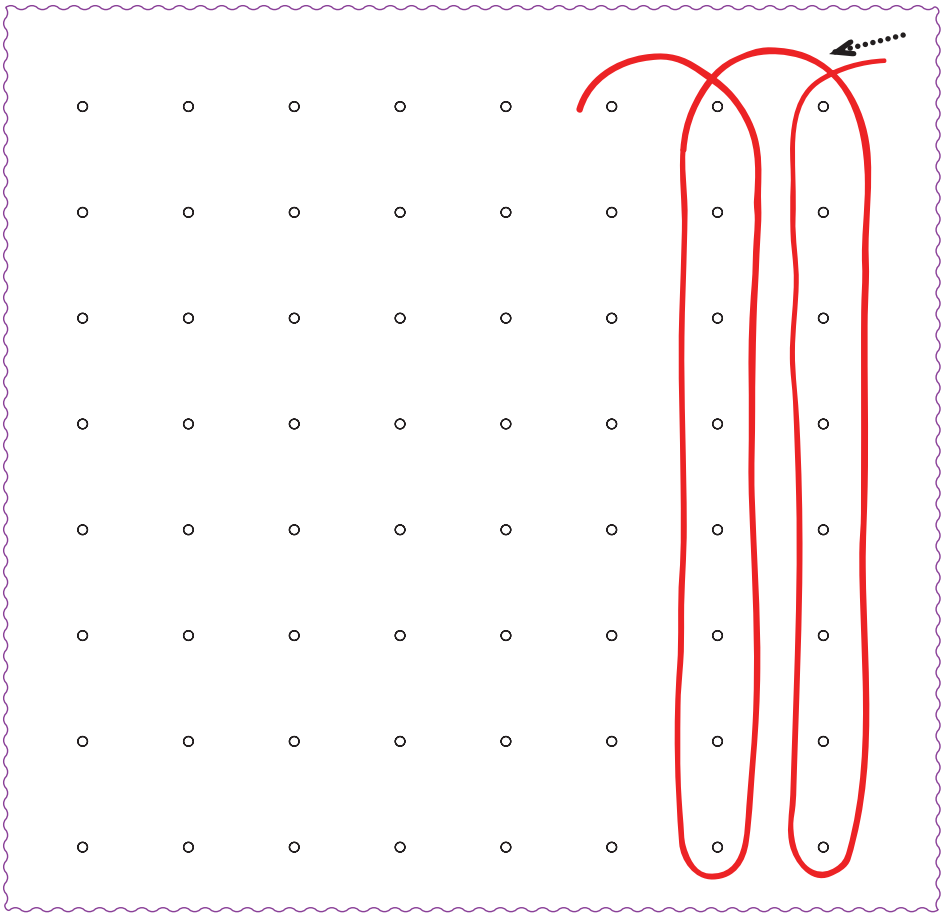
... CONNECTING DOTS ...



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



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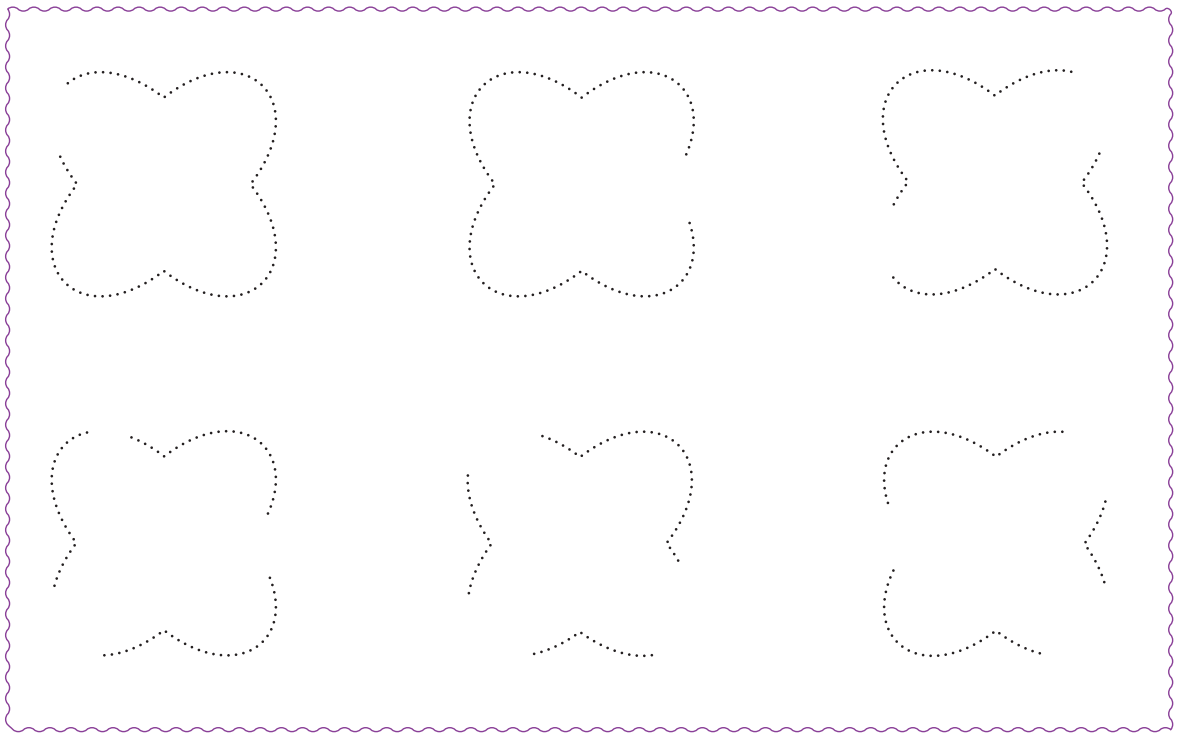
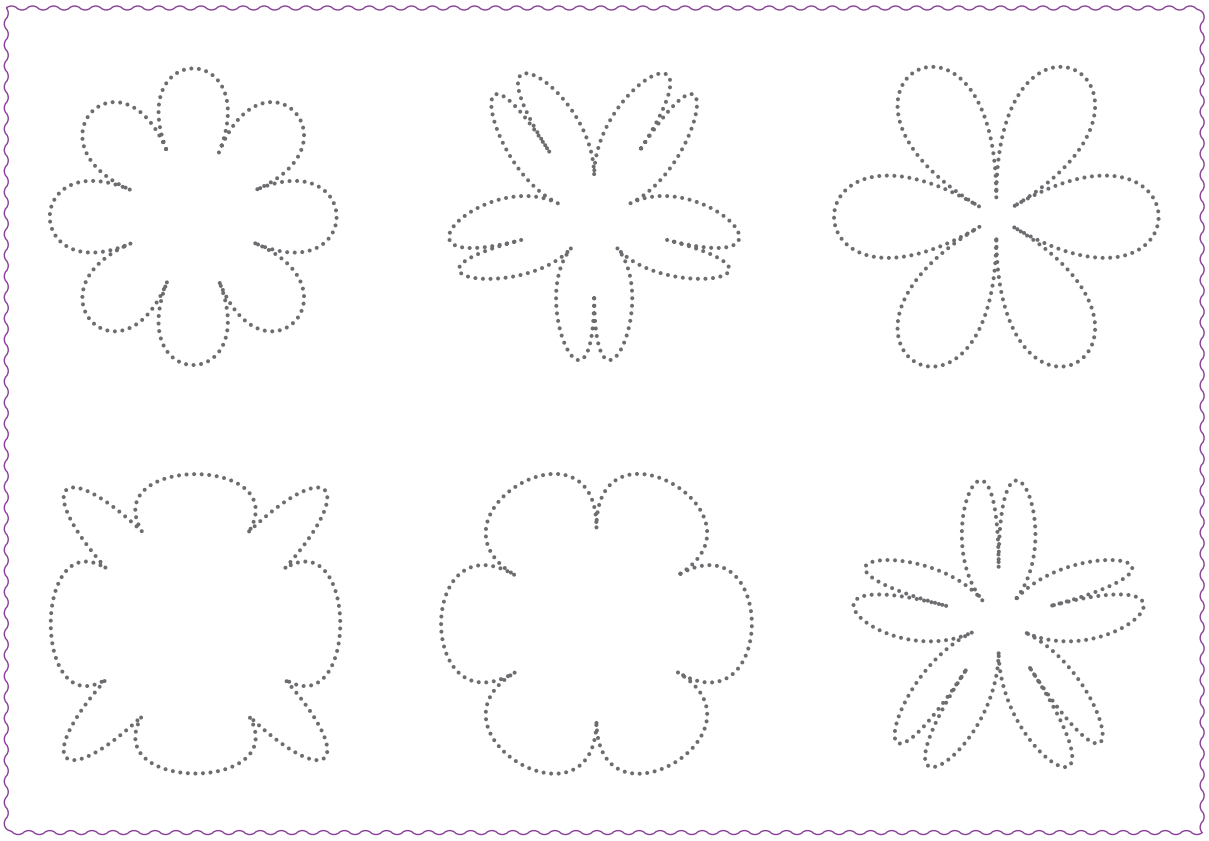
... SEARCHING AND COMPLETING SHAPES ...



... TRACING DIFFERENT SHAPES ...



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

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