

10-Discipline Starter Sampler

40 kid-tested visual logic warm-ups introducing all 10 cognitive disciplines. Built for children ages 3–7 with 100% screen-free focus.



Picture Sudoku



Arrow Mazes



Sequences



Balance Scales



Odd-One-Out



Silhouettes



Coordinates



Symmetry



Part-to-Whole



Logic Circuits

Quick Guide for Parents & Educators

- ✓ **Zero Reading Required:** Every puzzle is 100% visual. Even pre-readers can solve independently.
- ✓ **Gentle Warm-ups:** These 10 pages represent the "Level 1" introductory warm-ups of our full curriculum.
- ✓ **Tools to Use:** Use crayons, washable markers, stickers, or simply point and discuss together.
- ✓ **Celebrate Every Step:** Let your child color the accomplishment stars at the bottom of every card!

Little Thinker: _____

Date: _____



Discipline #01: Safari Animal Picture Sudoku 4x4

KidzThinker Starter Sampler • Spatial Deductive Reasoning

WARM-UP • LEVEL 1

Little Thinker: _____ Date: _____

Warm-Up Safari Detective Grids

Rule: Every row, column, and 2x2 box contains each friend (lion, elephant, giraffe, zebra) with NO duplicates!

Puzzle #01

First Steps (2 Left)



Deduce: 2 tiles

I Did It! ★ ★ ★

Puzzle #02

Stepping Up (3 Left)



Deduce: 3 tiles

I Did It! ★ ★ ★

Puzzle #03

Look Closely (4 Left)



Deduce: 4 tiles

I Did It! ★ ★ ★

Puzzle #04

Super Focus (4 Left)



Deduce: 4 tiles

I Did It! ★ ★ ★



Discipline #02: Cosmic Rocket Arrow Mazes & Coding

KidzThinker Starter Sampler • Directional Algorithm & Sequencing

WARM-UP • LEVEL 1

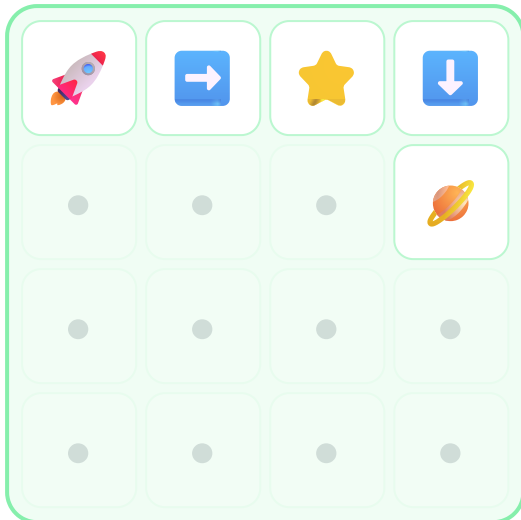
Little Thinker: _____ Date: _____

Warm-Up Astro Flight Paths 🚀

Rule: Follow the directional arrows from Rocket 🚀 to Goal Planet 🪐. Collect stars ★ along the way!

Flight #01

Straight Route



Target: 🪐 Planet

I Did It! ✍️ ★ ★ ★

Flight #02

First Corner



Target: 🪐 Planet

I Did It! ✍️ ★ ★ ★

Flight #03

Star Catcher

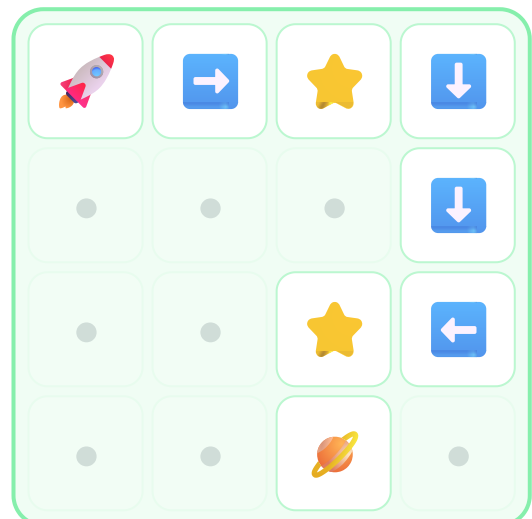


★ Stars: 1

I Did It! ✍️ ★ ★ ★

Flight #04

Double Star Route



★ Stars: 2

I Did It! ✍️ ★ ★ ★



Discipline #03: Dino Pattern Sequences & Logic

WARM-UP • LEVEL 1

Matrix

KidzThinker Starter Sampler • Pattern Recognition & Visual Rhythms

Little Thinker: _____ Date: _____

Warm-Up Dino Rhythms 🎵

Rule: Spot the repeating visual rhythm in each row and draw or point to the missing tile (?)!

Sequence #01

AB Rhythm

Pattern: AB AB

I Did It! 🎨 ★ ★ ★

Sequence #02

AAB Rhythm

Pattern: AAB AAB

I Did It! 🎨 ★ ★ ★

Sequence #03

ABB Rhythm

Pattern: ABB ABB

I Did It! 🎨 ★ ★ ★

Sequence #04

ABC Rhythm

Pattern: ABC ABC

I Did It! 🎨 ★ ★ ★



Discipline #04: Forest Fruit Balance Scales & Weight

WARM-UP • LEVEL 1

Logic

KidzThinker Starter Sampler • Early Visual Algebra & Transitive Logic

Little Thinker: _____ Date: _____

Warm-Up Fruit Scales

Rule: Look at the top balance scale. Replace items to find what balances the bottom scale (?)

Scale #01

1:2 Ratio

1



2

2



?

Solve: ? weight

I Did It! ★ ★ ★

Scale #02

1:3 Ratio

1



3

2



?

Solve: ? weight

I Did It! ★ ★ ★

Scale #03

Direct Swap

1



2

2



?

Solve: ? weight

I Did It! ★ ★ ★

Scale #04

Double Swap

2



1

4



?

Solve: ? weight

I Did It! ★ ★ ★



Discipline #05: Ocean Creature Odd-One-Out

Attribute Logic

KidzThinker Starter Sampler • Categorization & Feature Discrimination

WARM-UP • LEVEL 1

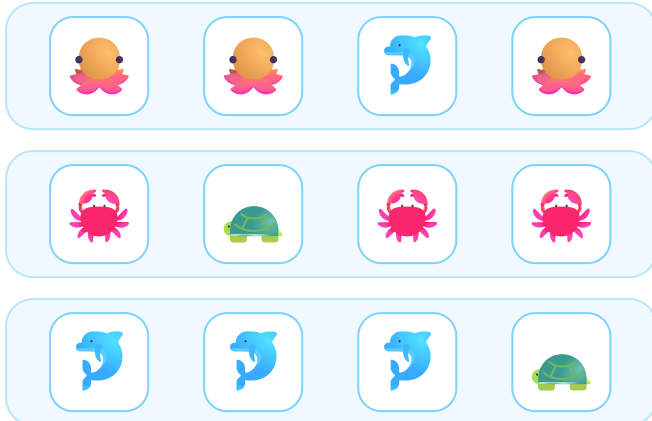
Little Thinker: _____ Date: _____

Warm-Up Ocean Detectives 🔍

Rule: In each row, find the ocean friend that is DIFFERENT and circle them with your crayon!

🔍 Mystery #01

Spot the Outlier

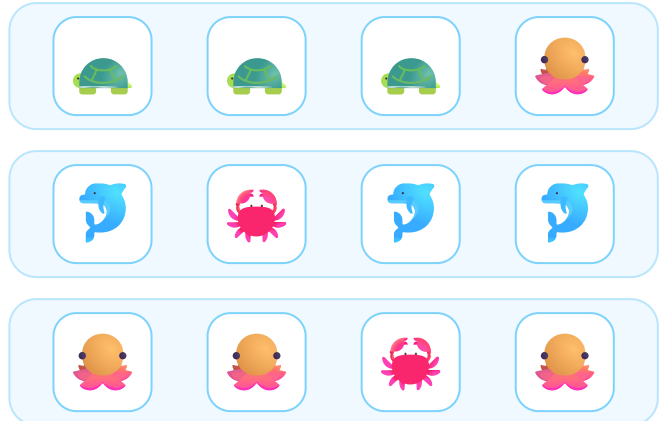


🔍 Find 3 odd friends

I Did It! 🖍️ ★ ★ ★

🔍 Mystery #02

Eagle Eye

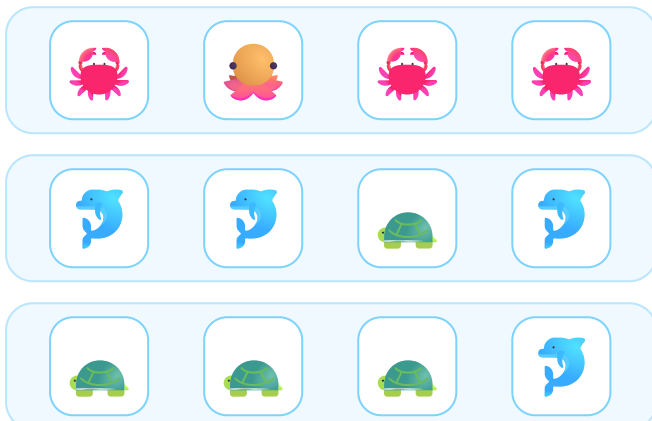


🔍 Find 3 odd friends

I Did It! 🖍️ ★ ★ ★

🔍 Mystery #03

Focus Detective

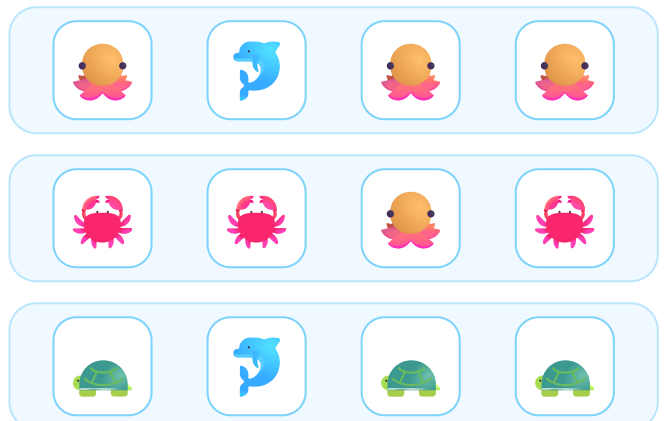


🔍 Find 3 odd friends

I Did It! 🖍️ ★ ★ ★

🔍 Mystery #04

Row Scanner



🔍 Find 3 odd friends

I Did It! 🖍️ ★ ★ ★



Discipline #06: Jungle Trail Shadow & Silhouette Match

KidzThinker Starter Sampler • Visual Closure & Shape Discrimination

WARM-UP • LEVEL 1

Little Thinker: _____ Date: _____

Warm-Up Jungle Shadows

Rule: Look at the Target Friend on top. Which shadow silhouette matches? Circle A, B, or C!

Shadow #01

Target: 🐒 Monkey

Target Friend



Which shadow matches? Circle A, B, or C:

A



B



C



Target: 🐒

I Did It! 🎯 ★ ★ ★

Shadow #02

Target: 🍌 Banana

Target Friend



Which shadow matches? Circle A, B, or C:

A



B



C



Target: 🍌

I Did It! 🎯 ★ ★ ★

Shadow #03

Target: 🌴 Palm

Target Friend



Which shadow matches? Circle A, B, or C:

A



B



C



Target: 🌴

I Did It! 🎯 ★ ★ ★

Shadow #04

Target: 🐍 Snake

Target Friend



Which shadow matches? Circle A, B, or C:

A



B



C



Target: 🐍

I Did It! 🎯 ★ ★ ★



Discipline #07: Farmyard Friends Grid
Coordinates

KidzThinker Starter Sampler • 2D Spatial Indexing & Map Reading

WARM-UP • LEVEL 1

Little Thinker: _____ Date: _____

Warm-Up Farmyard Map Scouts

Rule: Read the Column letter (A, B, C) and Row number (1, 2, 3) to find the friends on the map!

Grid #01

Row 1 Index

	A	B	C
1			
2			
3			

Where is ? → ?

At [A2]? → ?

Map 2 spots

I Did It!

Grid #02

Column Index

	A	B	C
1			
2			
3			

Where is ? → ?

At [C3]? → ?

Map 2 spots

I Did It!

Grid #03

Center Point

	A	B	C
1			
2			
3			

Where is ? → ?

At [B2]? → ?

Map 2 spots

I Did It!

Grid #04

Corner Spot

	A	B	C
1			
2			
3			

Where is ? → ?

At [A3]? → ?

Map 2 spots

I Did It!



Discipline #08: Veggie Garden Mirror Symmetry Reflections

KidzThinker Starter Sampler • Bilateral Inversion & Spatial Geometry

WARM-UP • LEVEL 1

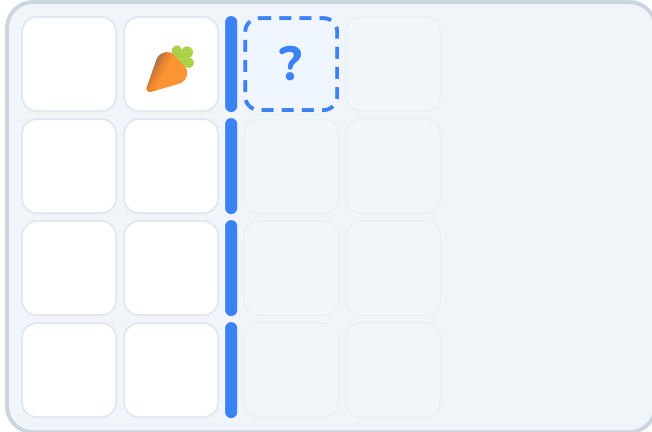
Little Thinker: _____ Date: _____

Warm-Up Garden Mirrors

Rule: Complete the mirror reflection on the right side of the blue axis line. Near mirrors near!

Mirror #01

Near Mirror

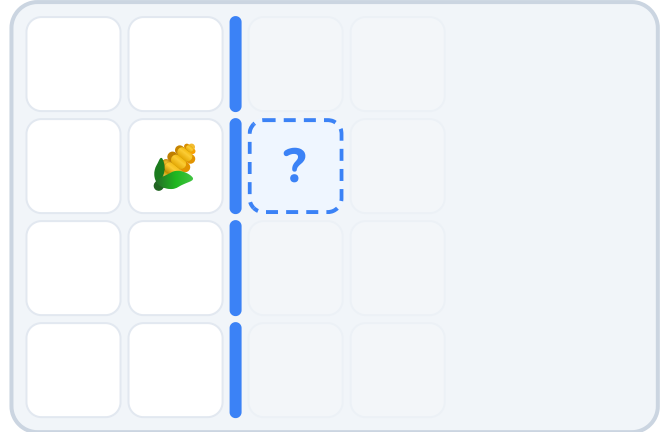


Complete reflection

I Did It! ★ ★ ★

Mirror #02

Near Mirror

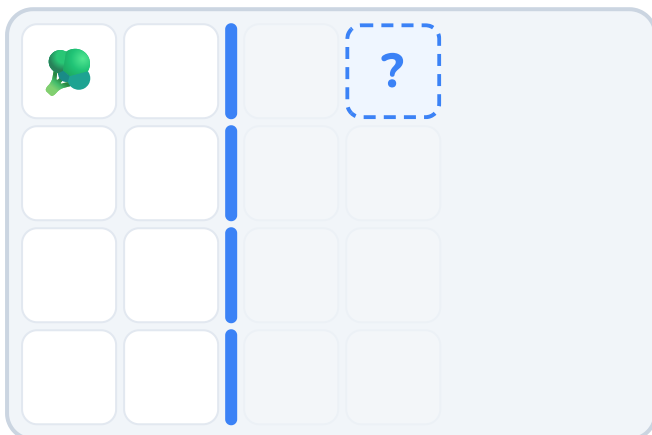


Complete reflection

I Did It! ★ ★ ★

Mirror #03

Far Mirror

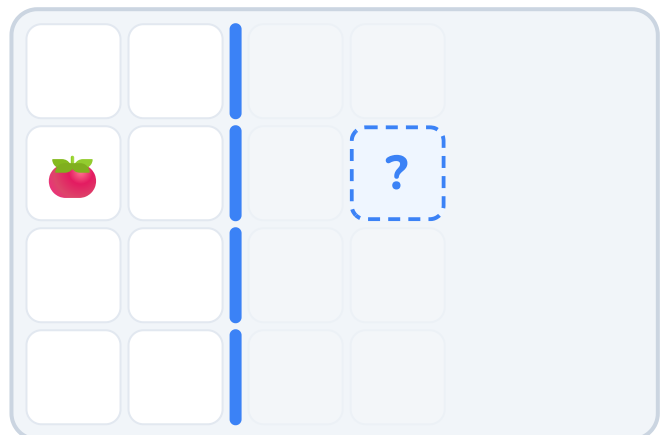


Complete reflection

I Did It! ★ ★ ★

Mirror #04

Far Mirror



Complete reflection

I Did It! ★ ★ ★



Discipline #09: City Vehicles Part-to-Whole

WARM-UP • LEVEL 1

Detective

Little Thinker: _____ Date: _____

KidzThinker Starter Sampler • Micro-Feature Discrimination & Visual Synthesis

Warm-Up Microscope Lenses

Rule: Look through the magnifying glass to match each close-up detail to the correct vehicle!

Zoom #01

Micro Swatch



Friends:

Match 3 zoom lenses

I Did It! ★ ★ ★ ★

Zoom #02

Texture Detective



Friends:

Match 3 zoom lenses

I Did It! ★ ★ ★ ★

Zoom #03

Pattern Zoom



Friends:

Match 3 zoom lenses

I Did It! ★ ★ ★ ★

Zoom #04

Detail Detective



Friends:

Match 3 zoom lenses

I Did It! ★ ★ ★ ★



Discipline #10: Railroad Switch Logic Path Circuits

WARM-UP • LEVEL 1

KidzThinker Starter Sampler • Topological Routing & Non-Crossing Paths

Little Thinker: _____ Date: _____

Warm-Up Train Tracks

Rule: Draw a path connecting matching friends without any track lines crossing each other!

Track #01

Parallel Lanes



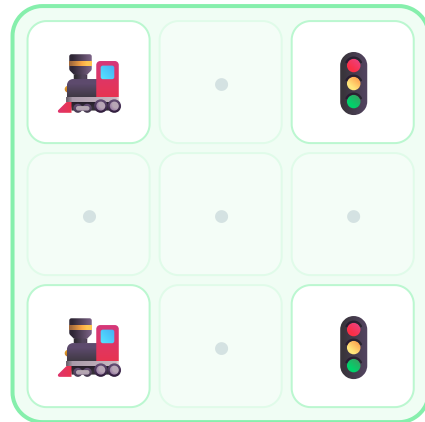
Connect to & to without crossing lines!

⚡ 2 Pairs to connect

I Did It! ★ ★ ★

Track #02

Column Tracks



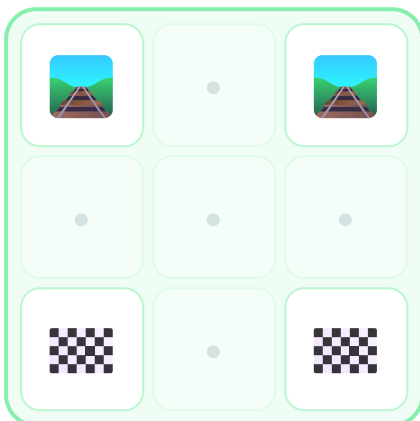
Connect to & to without crossing lines!

⚡ 2 Pairs to connect

I Did It! ★ ★ ★

Track #03

Horizontal Tracks



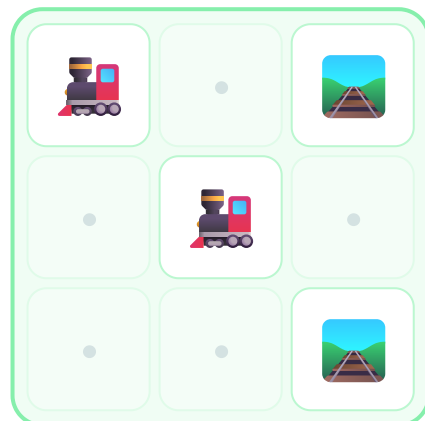
Connect to & to without crossing lines!

⚡ 2 Pairs to connect

I Did It! ★ ★ ★

Track #04

Corner Bypass



Connect to & to without crossing lines!

⚡ 2 Pairs to connect

I Did It! ★ ★ ★



Official Junior Thinker Certificate of Mastery

This certifies that our brilliant Little Thinker

has successfully completed all 40 visual logic challenges across all 10 core disciplines
in the KidzThinker Starter Sampler!



Sudoku



Mazes



Sequences



Scales



Odd One



Shadows



Coordinates



Symmetry



Zoom In



Circuits

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