

Meaningful Math Games & Activities Your K–5 Students Will Love!

Presented by Polina Sabinin

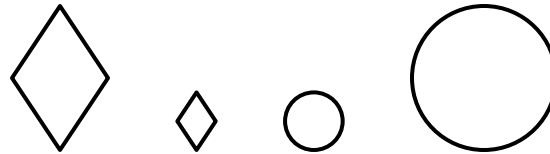
at the 2007 Regional NCTM Conference

in Richmond, VA

on October 12, 2007

Let's warm up a little:

Put the shapes below in each of the grids. Follow the clues carefully.



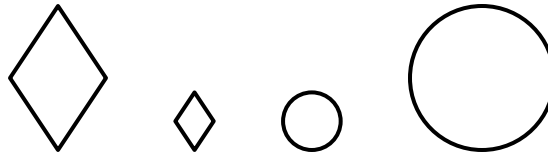
2

Left	Right

a) There are no diamonds in the top row.
b) All the small shapes are on the left.

Let's warm up a little more:

Put the shapes below in each of the grids. Follow the clues carefully.



4

Left	Right

a) The diamonds are not in the top row.
b) The small diamond is on the left.

Last one:



Place les neuf lettres dans la grille.
Prévois toutes les possibilités.

- a) **A** est immédiatement au-dessus de **B**.
B est entre **F** et **I**.
C est dans un coin.
D est à gauche.
E est à droite.
F est en bas.
G est en haut.
H est entre **D** et **F**.
I est en bas.

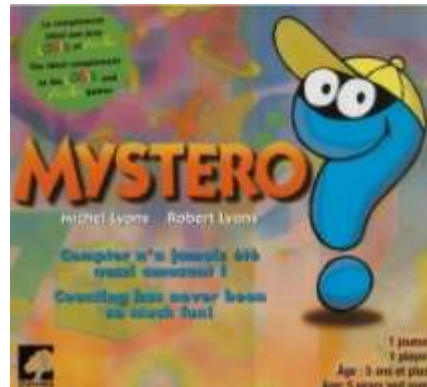


About the activities

- Deductive reasoning, Problem Solving & Proof
 - Negation
 - Conditional statements
 - Relative statements
- Flexibility
 - Individual, group, or class activities
 - Offer full range of difficulty (Pre-K – Mensa)
 - Extensions
- Mathematical communication
 - Alingual entry - ELL
 - From visual clues to mathematical terminology
 - Build verbal reasoning & proof skills
- Clear feedback
 - Self-pacing
 - Promotes independence

Today's play list:

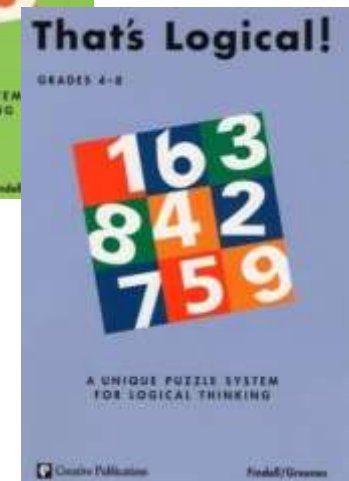
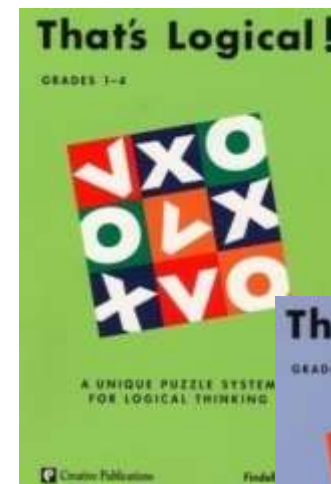
- Mystero



- Meta-Forms & Logix

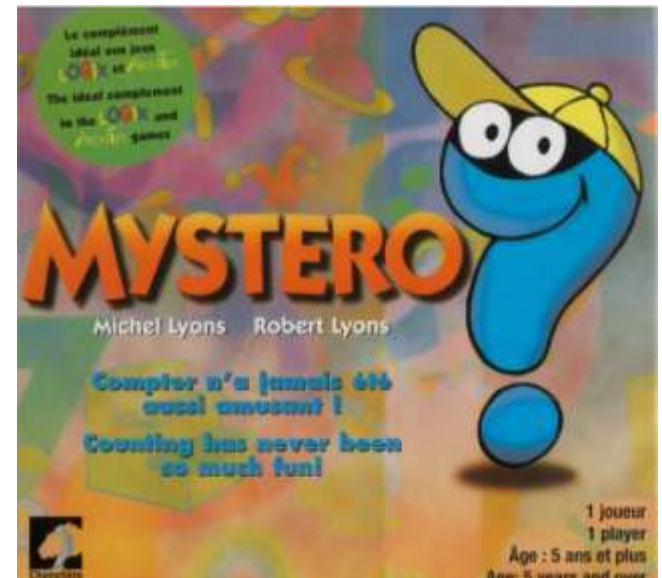


- That's Logical!
a.k.a. Sigmund

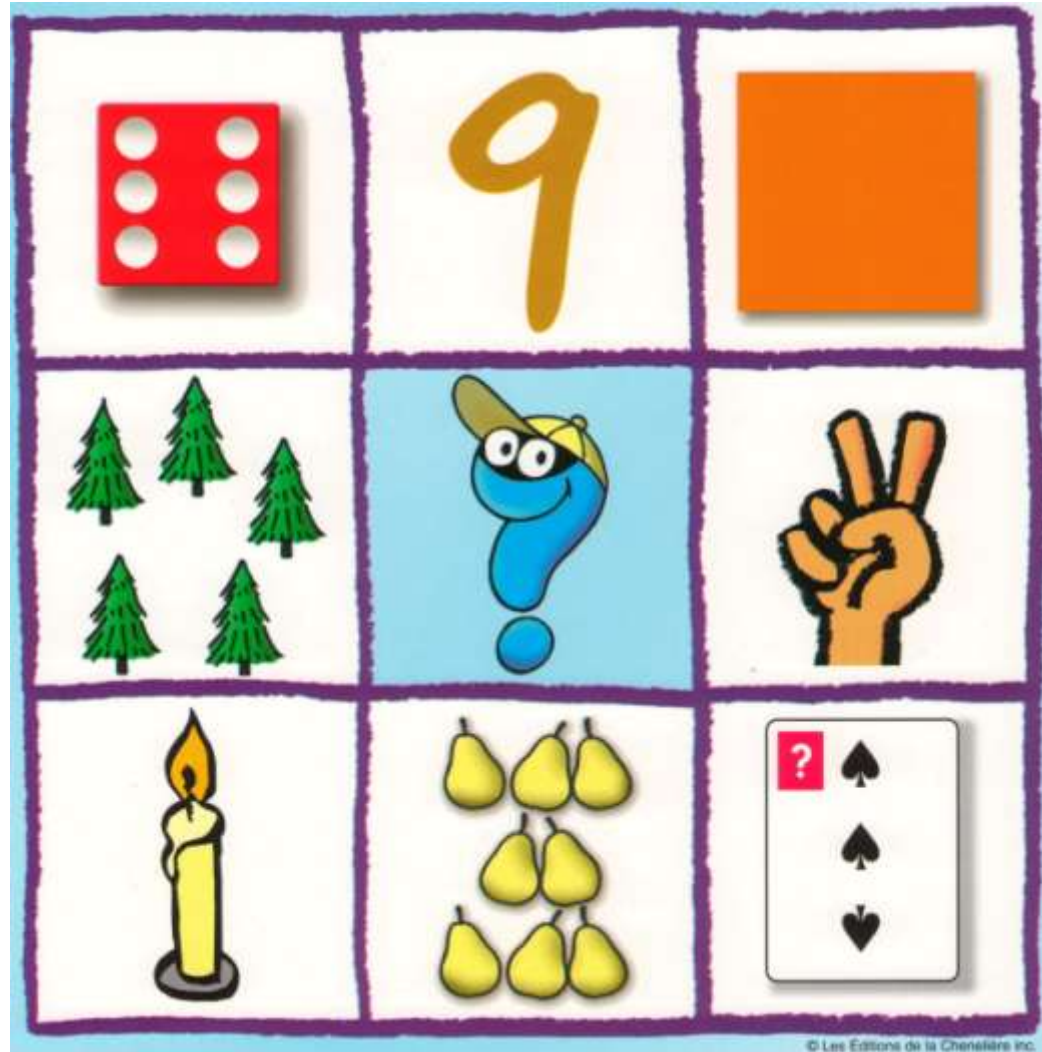


Mystero

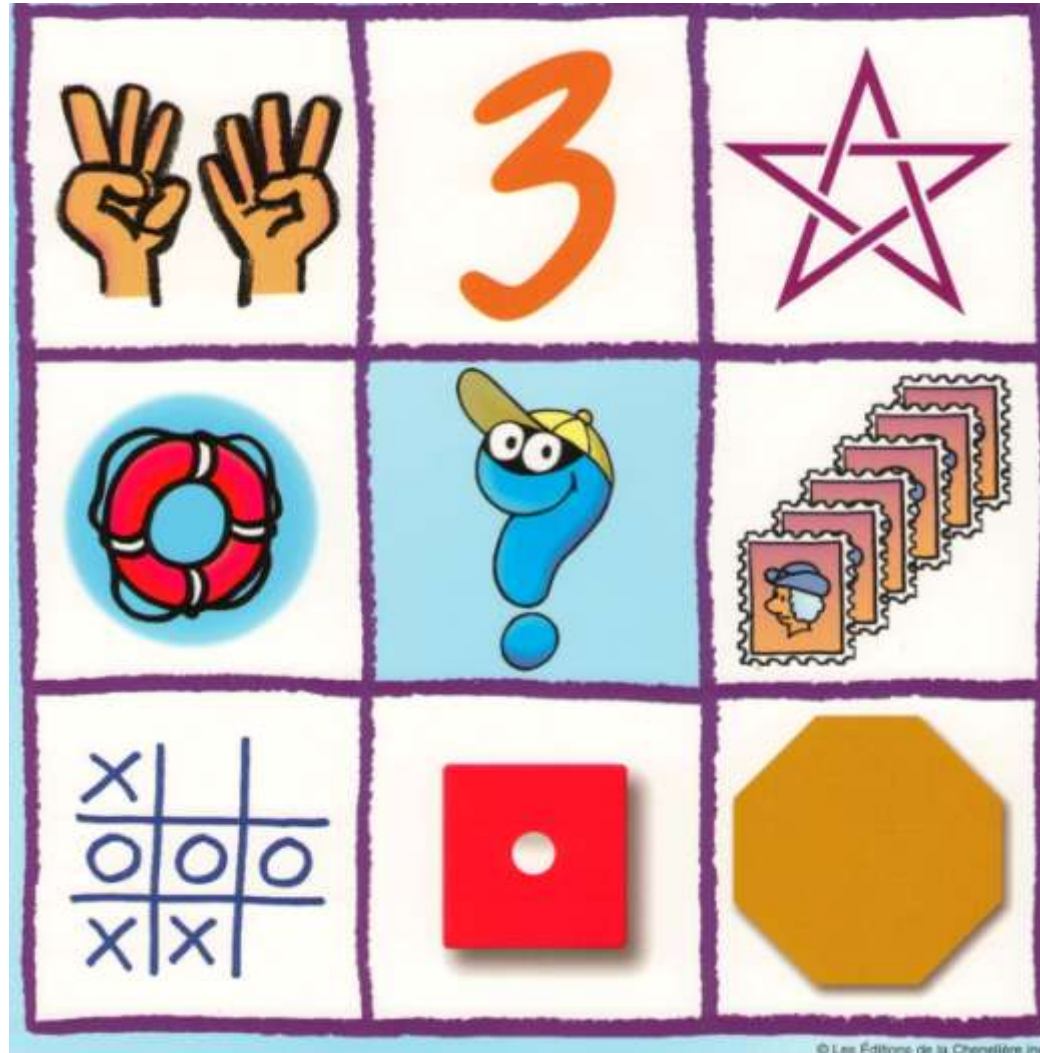
- Designed by Robert & Michel Lyons
- Part of *Defi Mathematique* (Challenging Mathematics) curriculum
 - French speaking Canada
 - Grades 1 – 6
- Published by Cheneliere/McGraw-Hill



Mystero #1

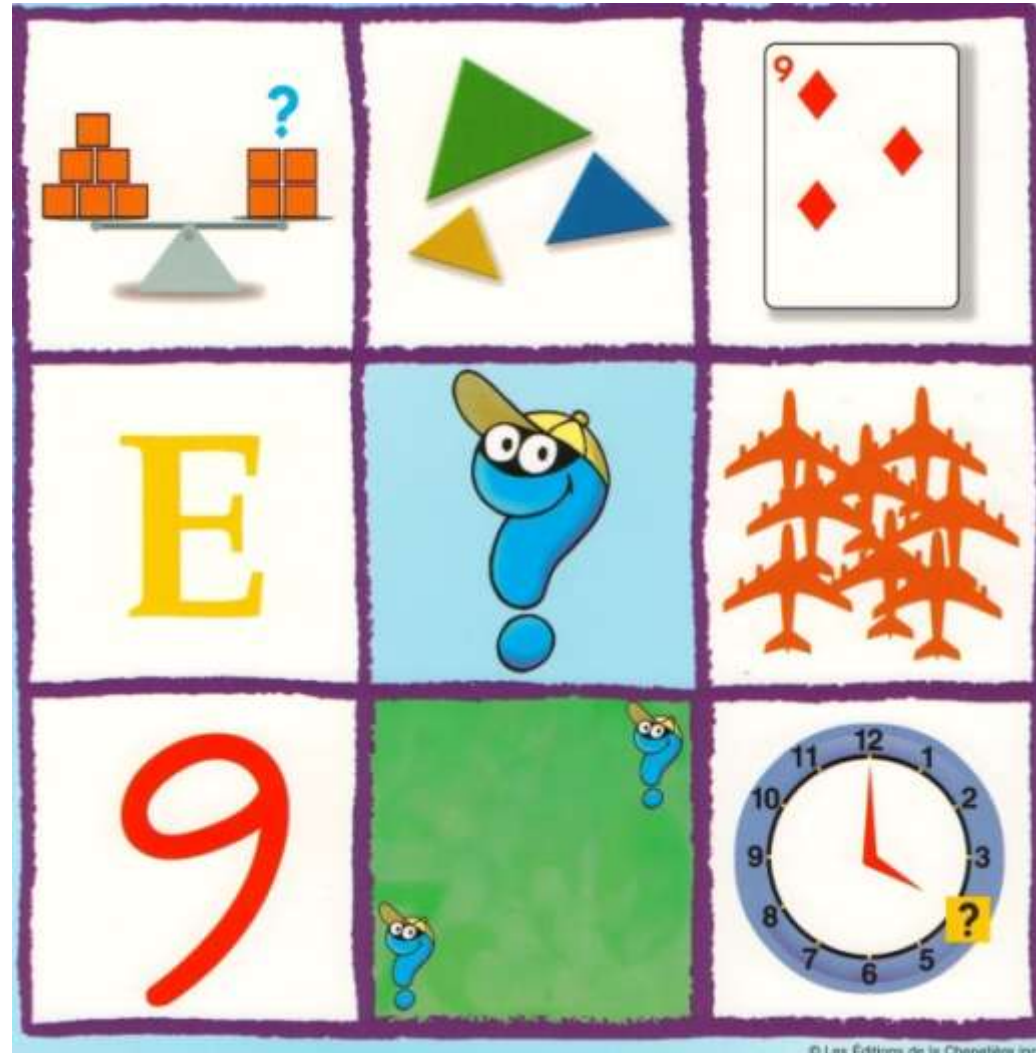


Mystero #10



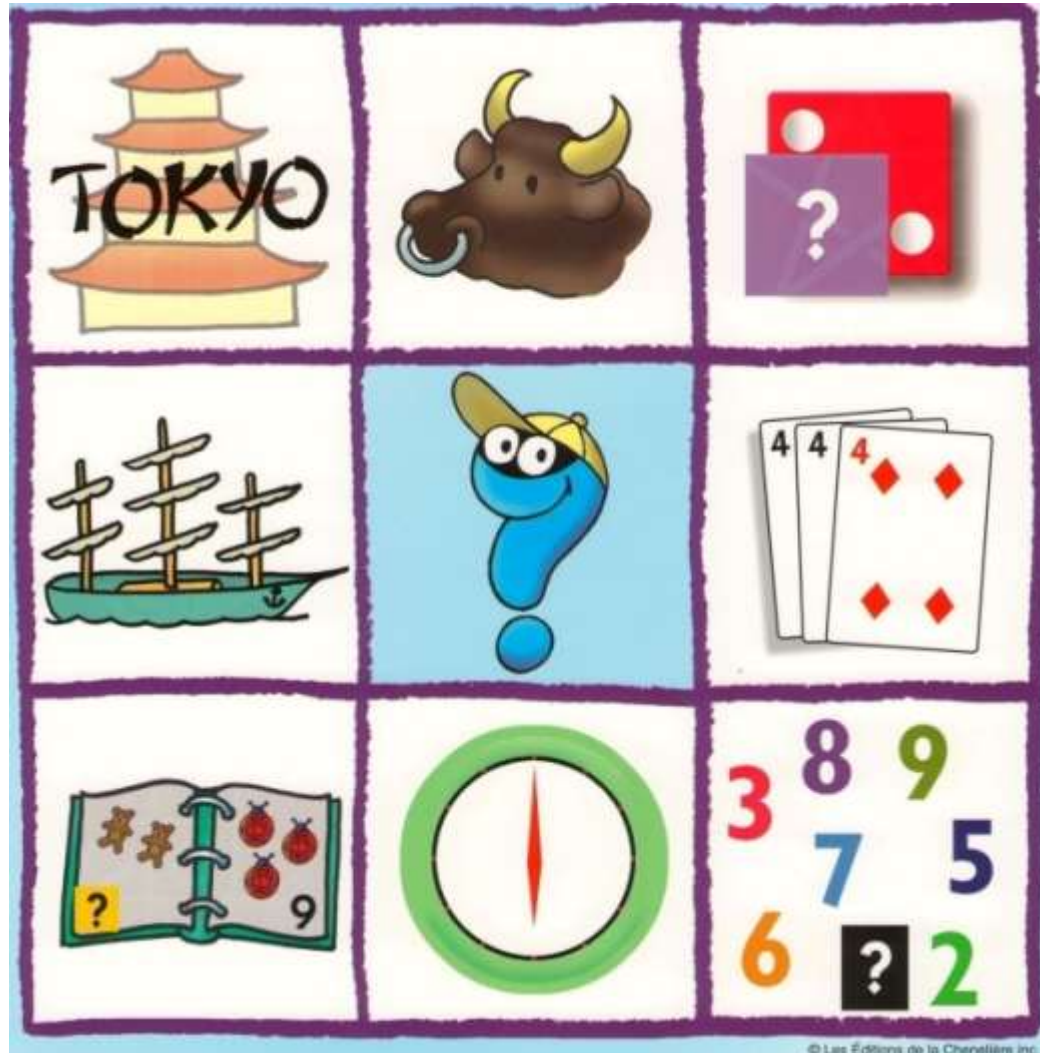
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Mystero #34



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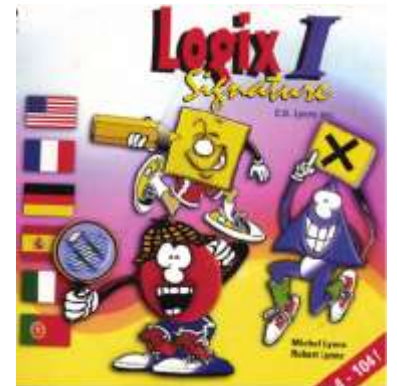
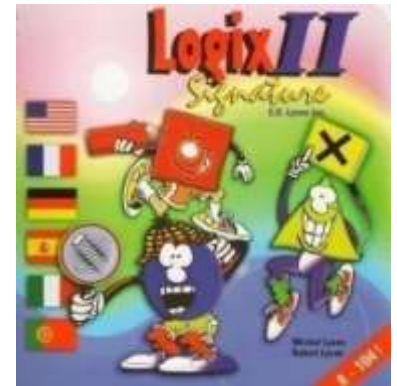
Mystero #40



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Meta-Forms, Logix I & Logix II

- Designed by Robert & Michel Lyons
- Part of *Defi Mathematique* (Challenging Mathematics) curriculum
 - French speaking Canada
 - Grades 1 – 6
- Published by FoxMind Games

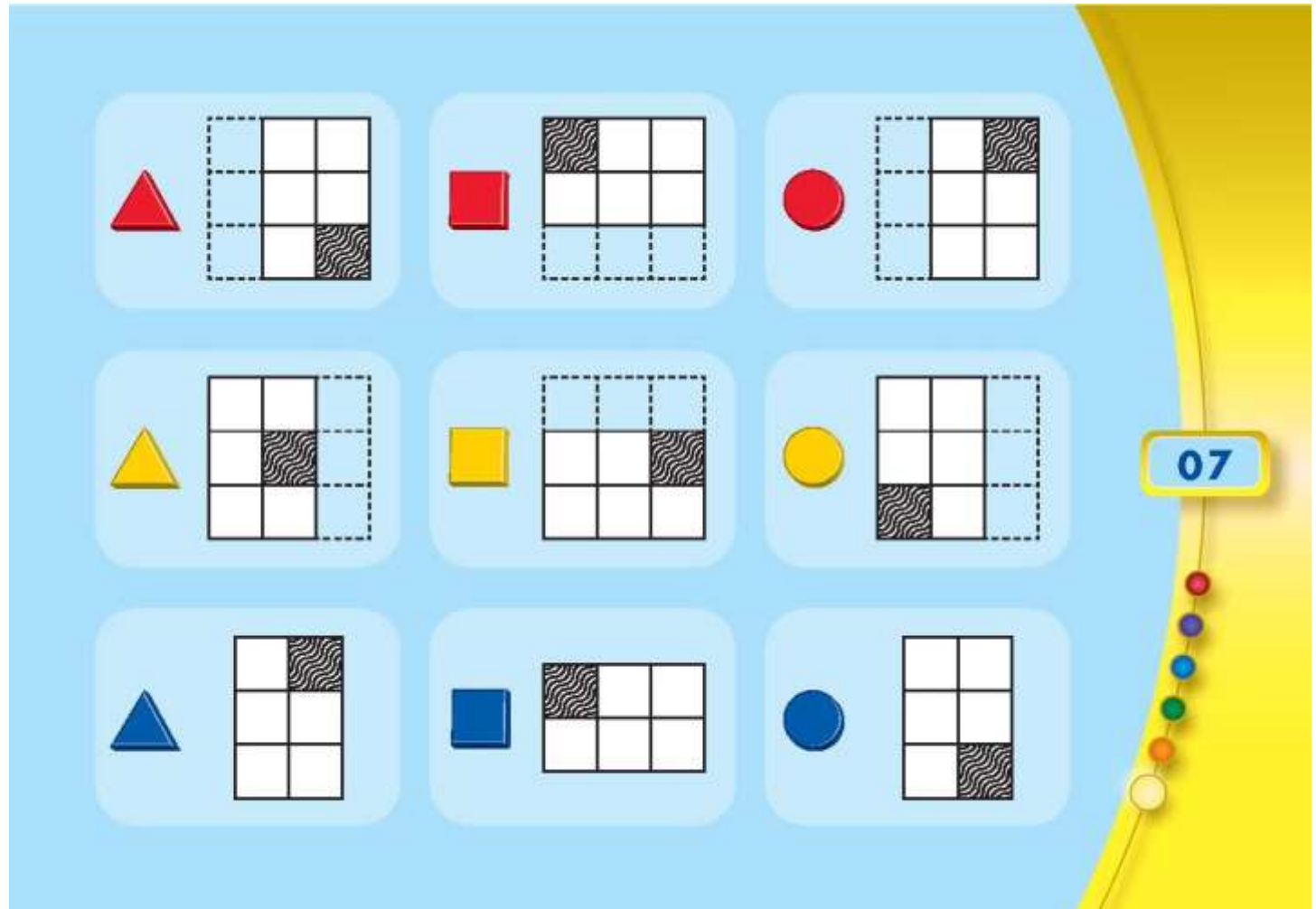


Starting the game

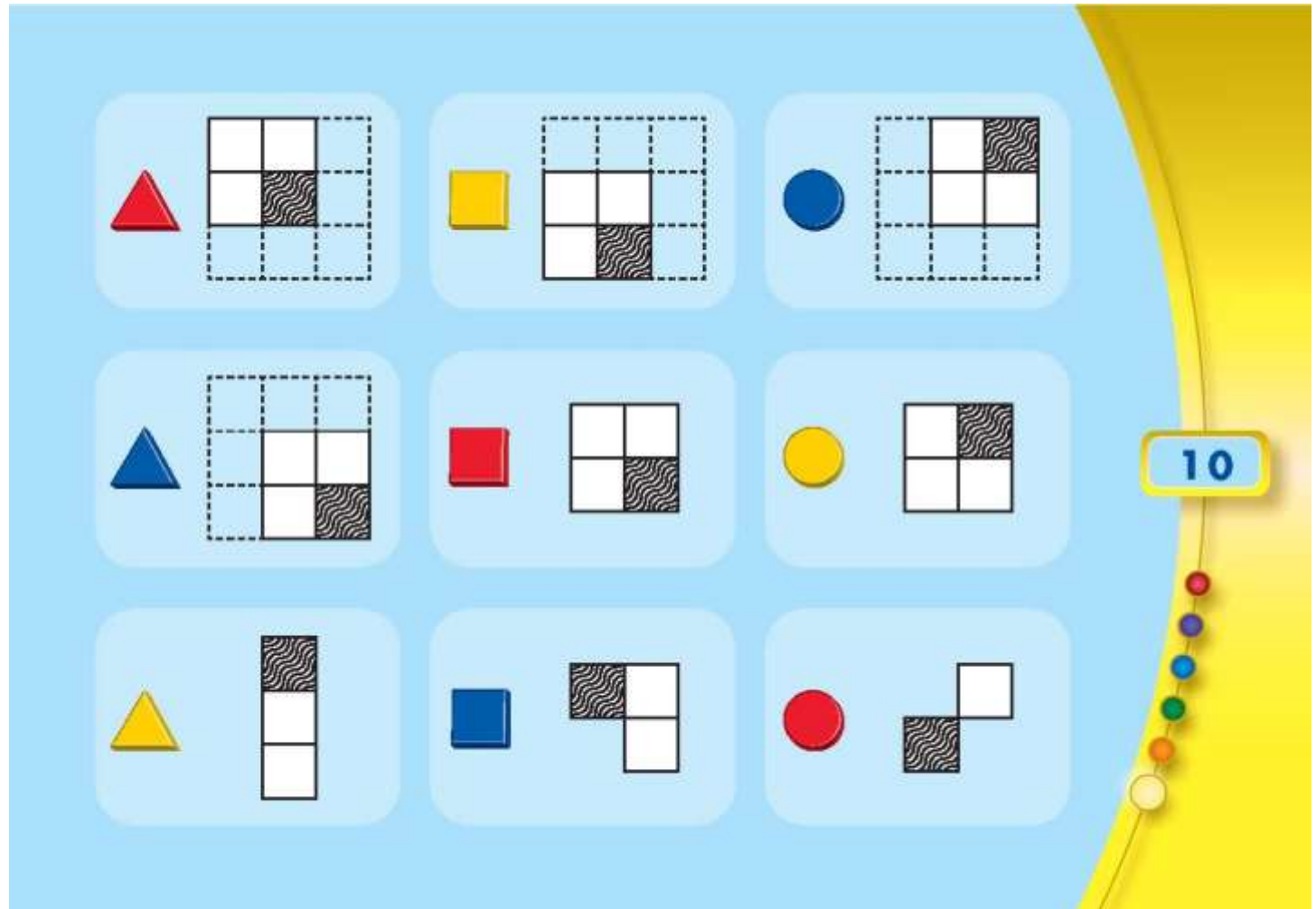
- Fast
- Visual
- Language-free



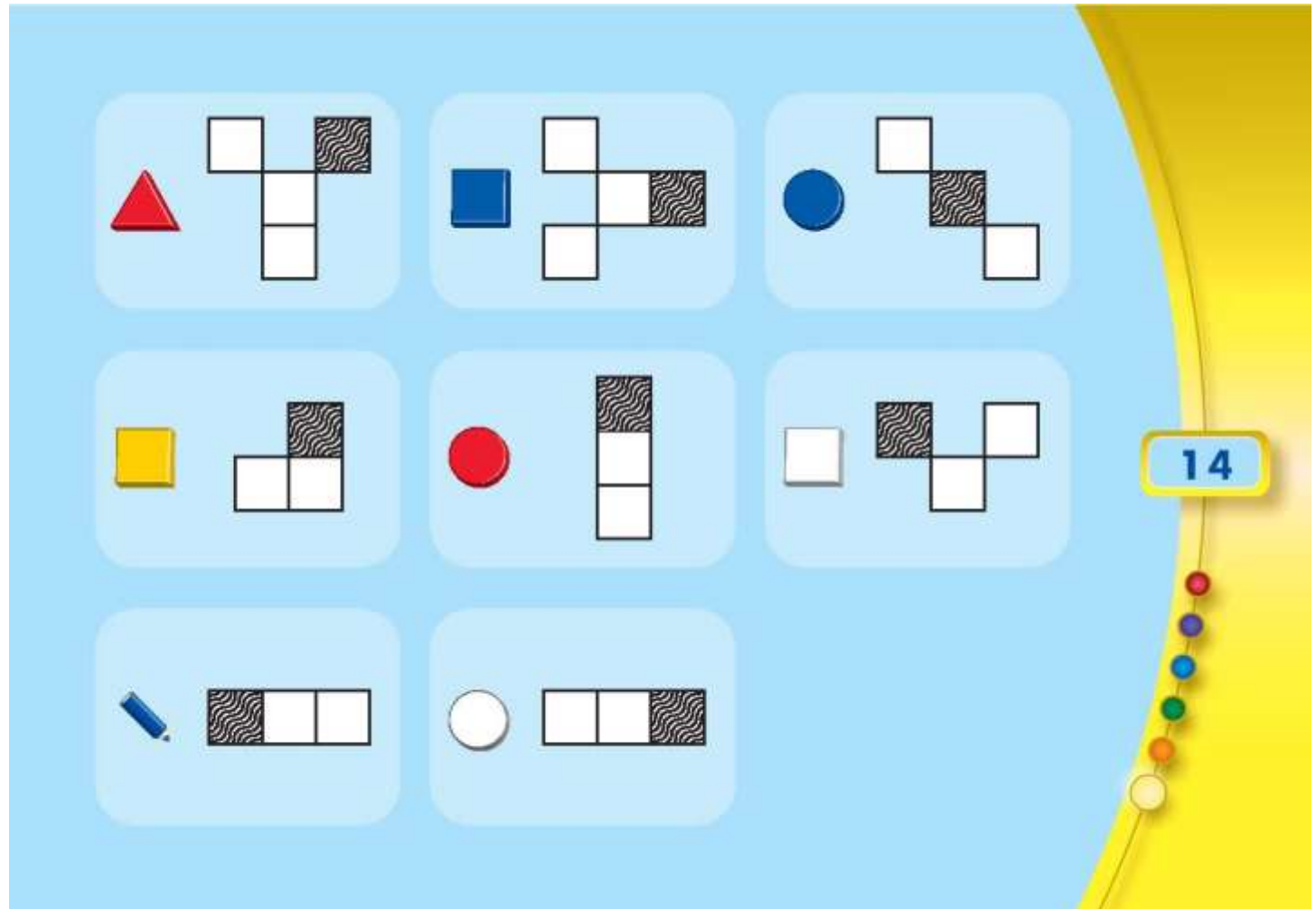
Meta-Forms Puzzle #7



Meta-Forms Puzzle #10

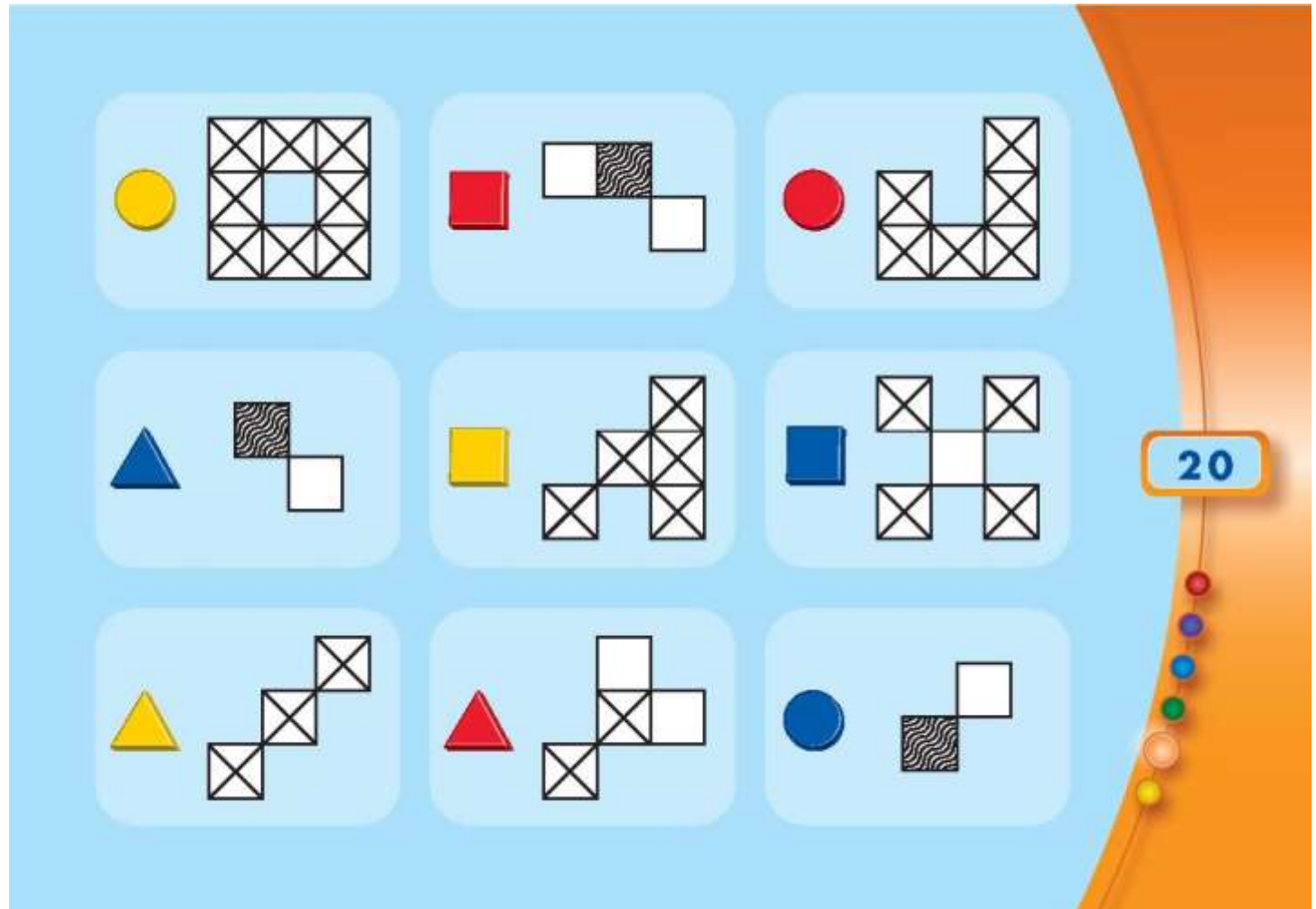


Meta-Forms Puzzle #14

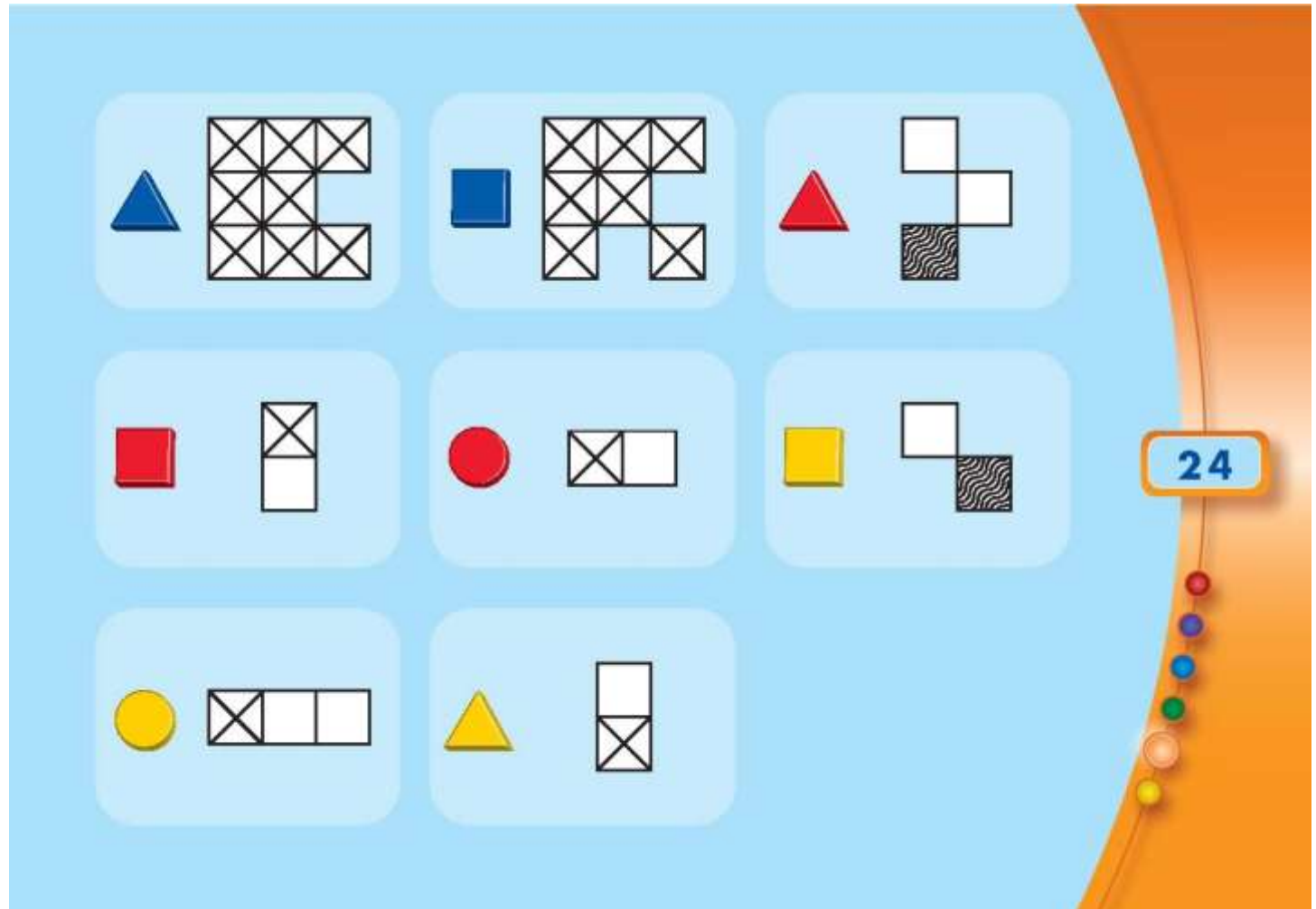


14

Meta-Forms Puzzle #20



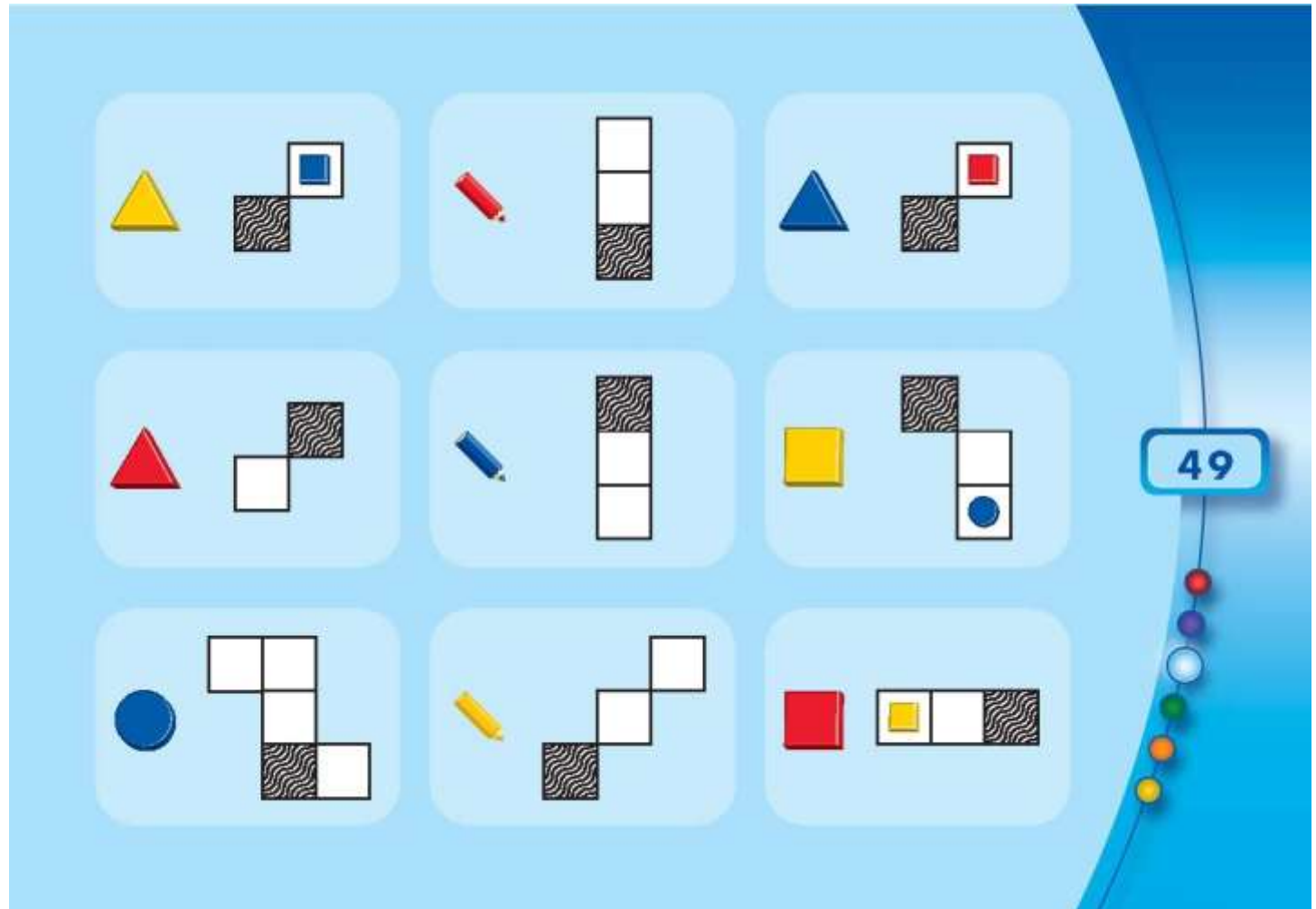
Meta-Forms Puzzle #24



Meta-Forms Puzzle #30

30

Meta-Forms Puzzle #49



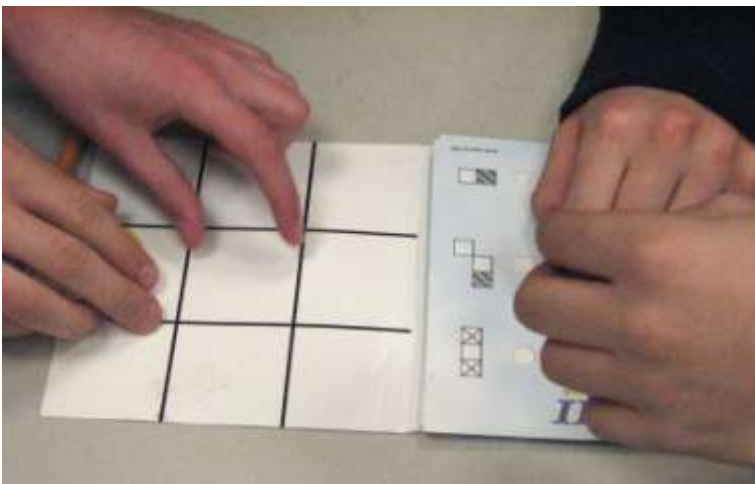
Logix II #60

60

Logix II
Signature

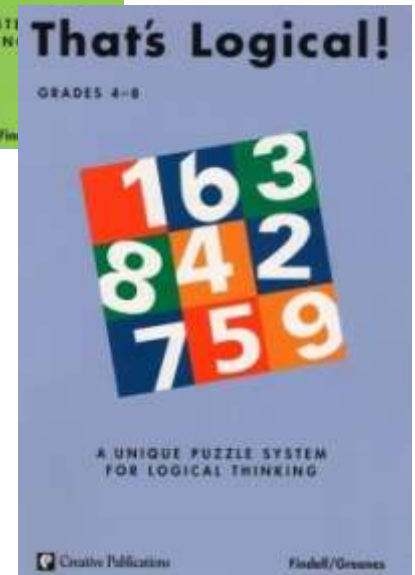
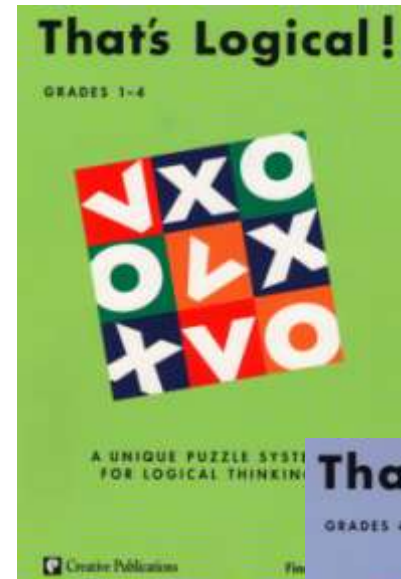
© E.D. Lyons inc. 2001

In the classroom



That's Logical! a.k.a. Sigmund

- Developed by
Drs. Carole Greenes
& Carol Findell
 - Book 1: Grades 1 - 4
 - Book 2: Grades 4 - 8
- Inspired by Logix
- Published by
Creative
Publications

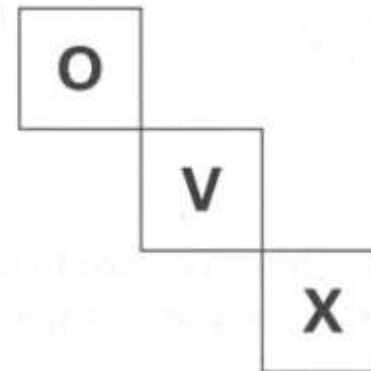
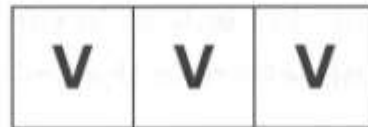
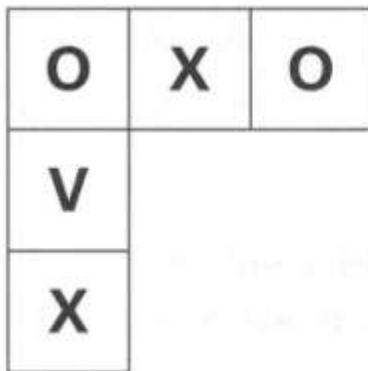


That's Logical! (1-4) *1

Use the clues to figure out where to put the 9 letters.

X X X V V V O O O

Clues

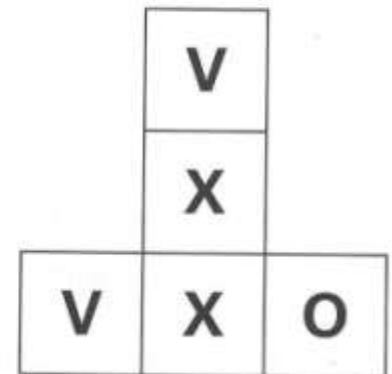
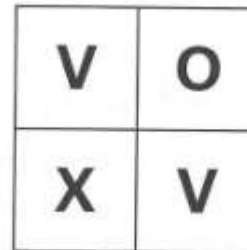
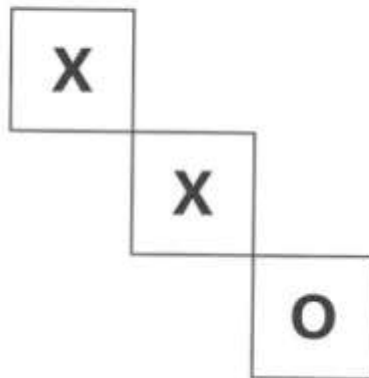


That's Logical! (1-4) *12

Use the clues to figure out where to put the 9 letters.

X X X V V V O O O

Clues

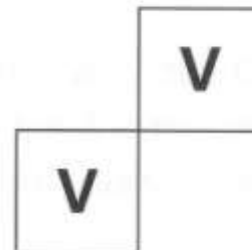
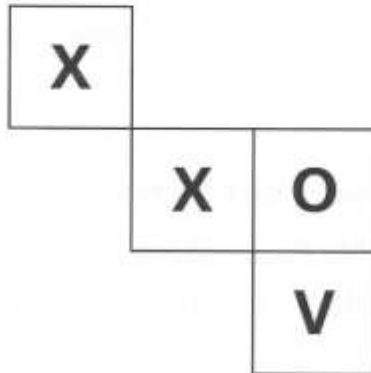


That's Logical! (1-4) **12

Use the clues to figure out where to put the 9 letters.

X X X V V V O O O

Clues

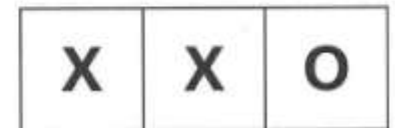
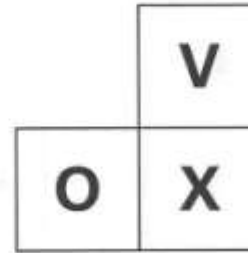
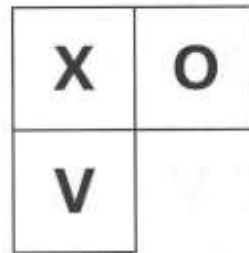
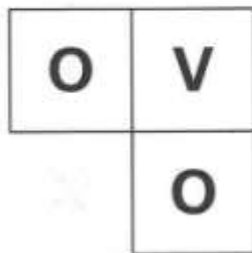


That's Logical! (1-4) ***11

Use the clues to figure out where to put the 9 letters.

X X X V V V O O O

Clues

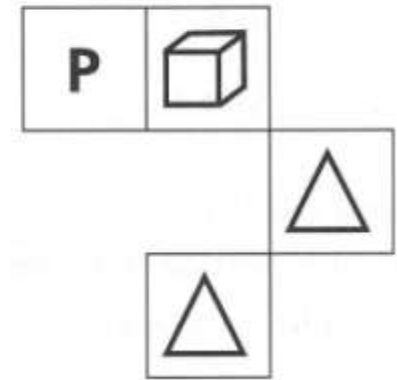
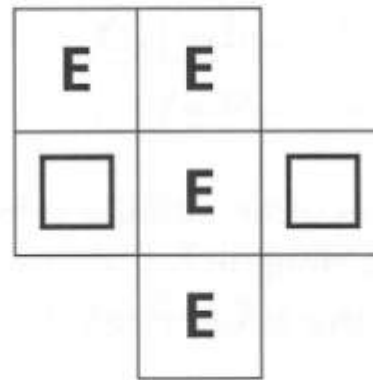
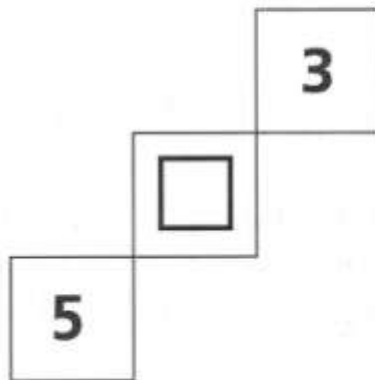


That's Logical! (4-8) *1

Use the clues to figure out where to write the 9 digits.

1 2 3 4 5 6 7 8 9

Clues

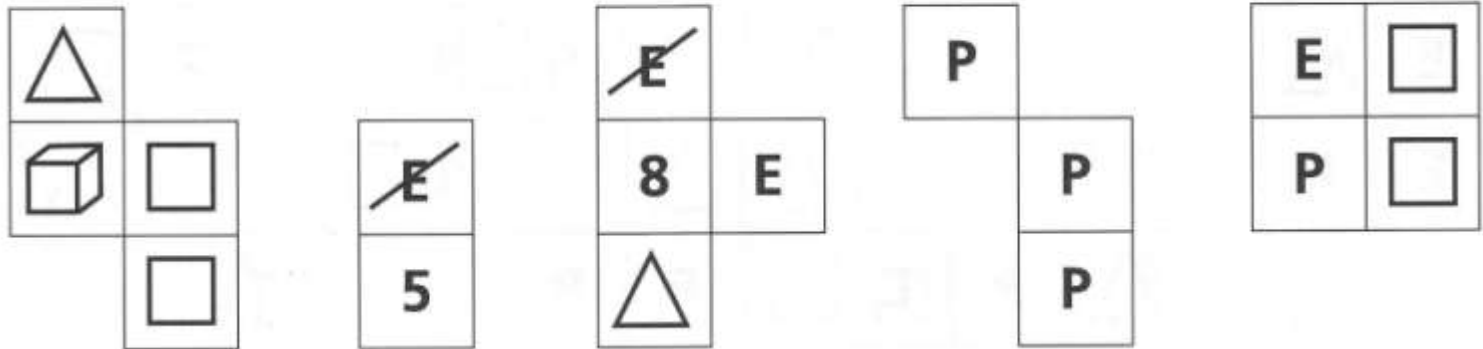


That's Logical! (4-8) ***11

Use the clues to figure out where to write the 9 digits.

1 2 3 4 5 6 7 8 9

Clues



About the activities – take 2

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 - Build verbal reasoning & proof skills
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 - Self-pacing
 - Promotes independence

Resources

- Mystero
 - www.DefiMath.ca/boutique/mystero.html
 - In Canada
 - Speak English and French
- Meta-Forms, Logix I, & Logix II
 - www.FoxMind.com
 - In Canada
 - Best used for game descriptions
 - Will have a booth at 2008 NCTM Exhibition in Salt Lake City, UT
 - www.zancas.com
 - www.eurekapuzzles.com
- That's Logical!
 - www.creativepublications.com
 - Will have a booth at 2008 NCTM Exhibition in Salt Lake City, UT

**If you have questions or would like
a copy of the handout, please
contact me at:**

Polina@Sabinin.com

978-263-6040

Thank you for playing along!

Please return the game pieces to as you leave
for your next session.