WPF SUDOKU/PUZZLE **GRAND PRIX** 2016

ROUND 3 CASUAL

WPF PUZZLE GP 2016 COMPETITION BOOKLET

Puzzle Authors: Germany

Silke Berendes, Claudia Müller, Bernhard Seckinger

General Notes: See special notes on puzzles 1 and 2 regarding scissors and color printing.

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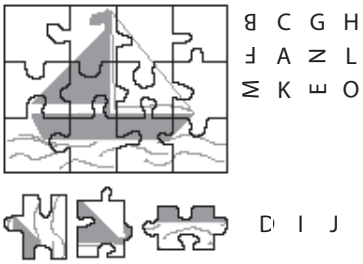
1. Jigsaw Puzzle [Silke Berendes] (19 points)

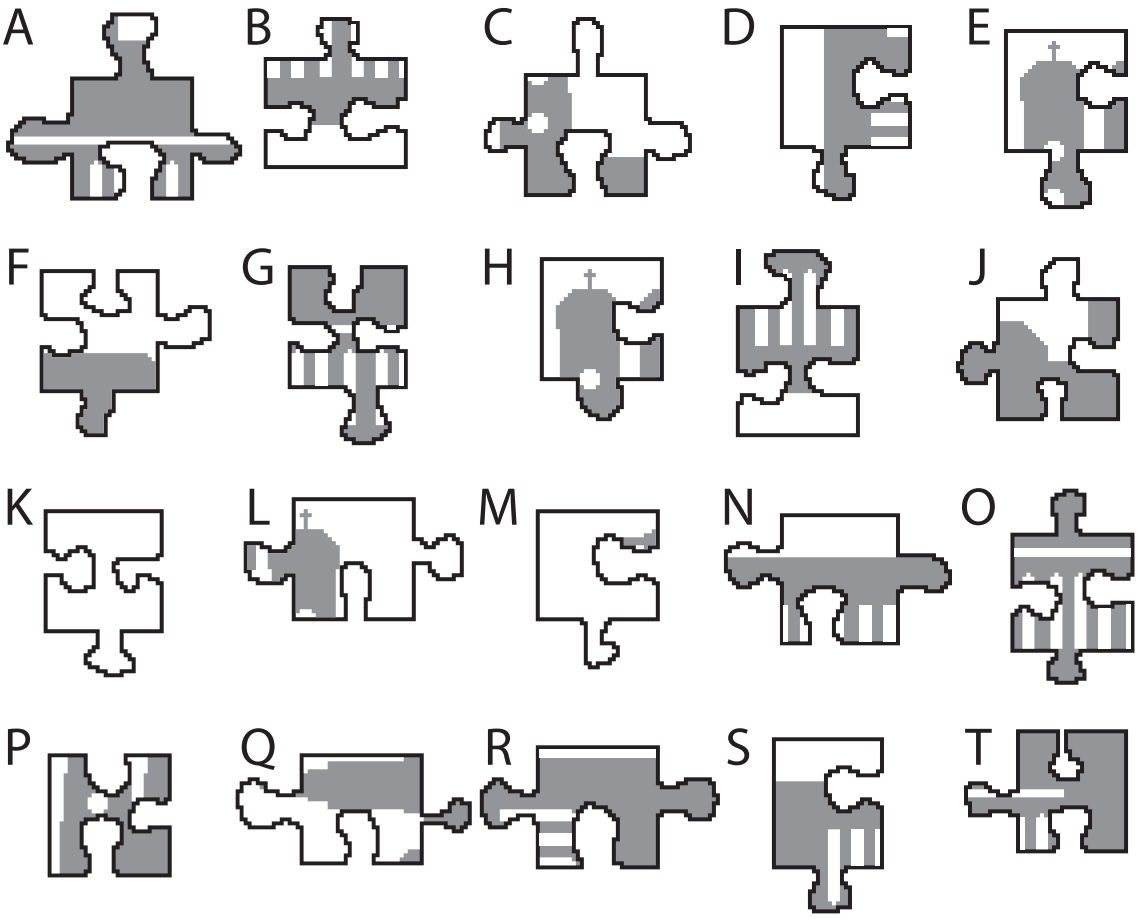


You are given jigsaw puzzle pieces, some of which assemble to a complete image. **Four** pieces are extra and do not belong to the puzzle. Determine which four do not belong to the puzzle. Pieces may be rotated but not reflected.

The example puzzle only has three extra pieces. You may use scissors or other cutting implements for this puzzle, but they might not help you solve the puzzle faster.

Answer: Enter the letters corresponding to the four extra pieces, in alphabetical order.

Example Answer: `DIJ`



2. Photo Stream [Claudia Müller] ("close" answer: 40 points, 10 bonus if correct)

Put the photographs in chronological (time) order.

The competition photographs will be in color, and spread over pages 2-5. While the puzzle is solvable if printed greyscale, it may be easier to solve in color. Partial credit will be given for a "close" answer (an answer that has only two time-adjacent letters swapped). You may use scissors to help you solve the puzzle.

Answer: Enter the letters of the photographs in the correct order, earliest photograph first.

Example Answer: DBAC

D

E

F

G

H

I

J

K

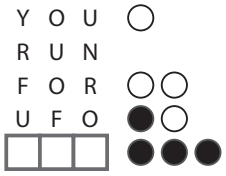
L

M

N

O

3-5. Mastermind [Silke Berendes] (12, 37, 14 points)



Each row represents a guess at a secret code. A black dot represents a letter in the guess that is in the same position as a letter in the secret code. A white dot represents a letter in the guess that is in the secret code, but not in the same position. The dots are given in no specific order, and each letter in the secret code contributes at most one dot with black dots given priority over white dots in case of ambiguity (for example, if the guess was FREED and the codeword was GEESE, the puzzle would display 1 black and 1 white). Each letter in the secret code appears in at least one guess. Blank spaces can appear in the guesses but will never appear in the secret code.

The last line with empty space for the secret code, and any notes on the side, are given for aesthetic reasons only. The secret code may or may not be a word.

Answer: Enter the secret code.

Example Answer: OFF

3

D	A	W	N	●○
W	I	N	D	●
F	R	O	G	○
B	E	A	R	○○
T	E	A	M	●○
N	A	M	E	●○
T	I	M	E	○
				●●●●

4

S	T	O	R	M	●○
T	R	A	I	N	●○
W	A	T	E	R	○○○
E	A	R	T	H	○○○
S	T	O	N	E	○
W	O	R	D	S	○○
P	E	A	C	H	○○
M	O	U	S	E	○○
C	L	O	U	D	○
					●●●●●

5

W	I	N	T	E	R	○○○
T	O	W	E	R	S	○○○
F	O	R	E	S	T	●○○
S	I	N	G	E	R	●○○
S	T	O	R	M	Y	●●○
F	R	I	E	N	D	●●○
P	O	L	A	N	D	●●●
S	P	R	I	N	G	●●●
						●●●●●●

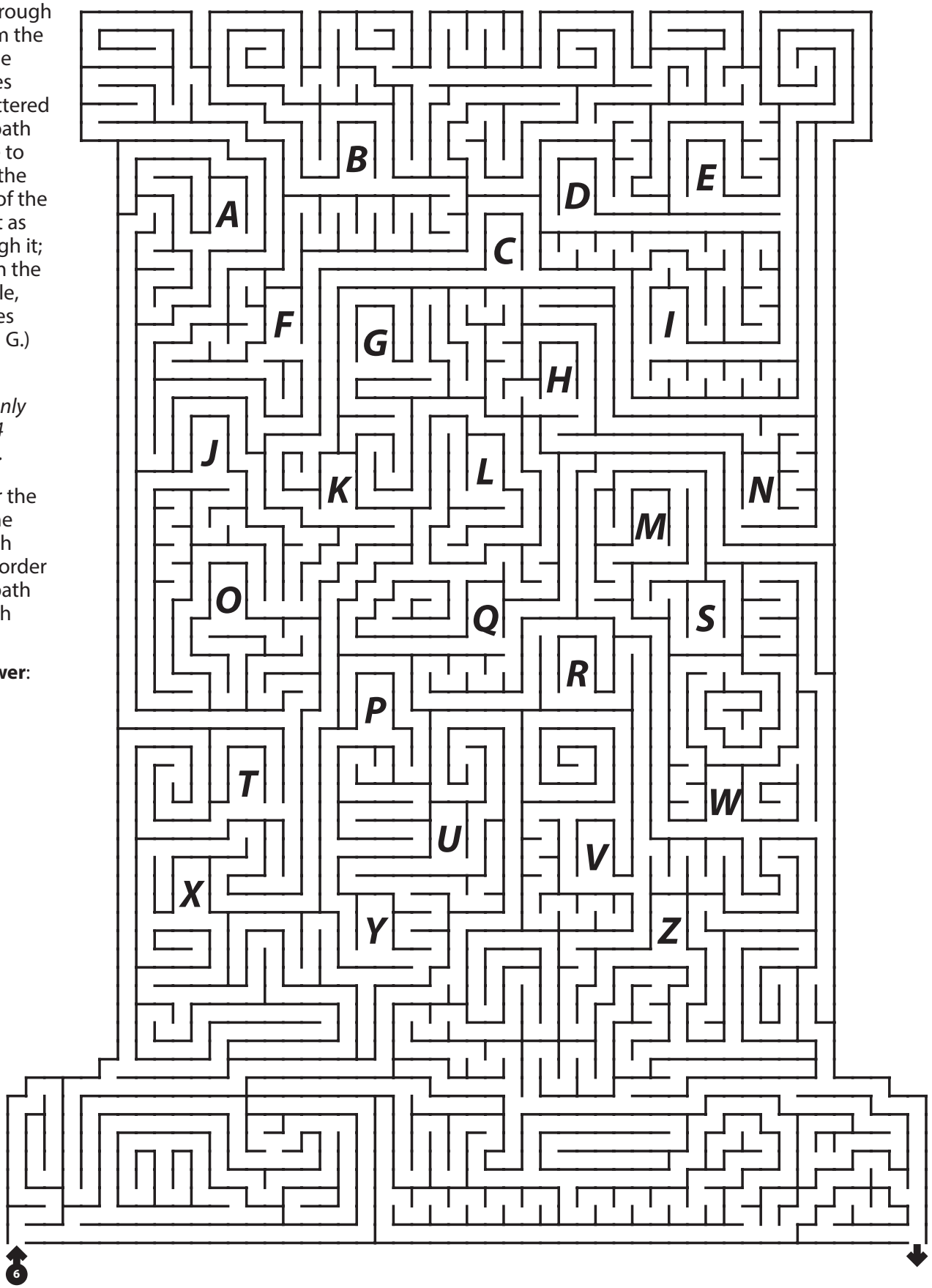
6. Labyrinth [Silke Berendes] (31 points)

Find a path through the maze from the entrance to the exit that passes through 12 lettered rooms. (The path does not have to pass through the entire length of the room to count as passing through it; for example, in the example puzzle, the path passes through room G.)

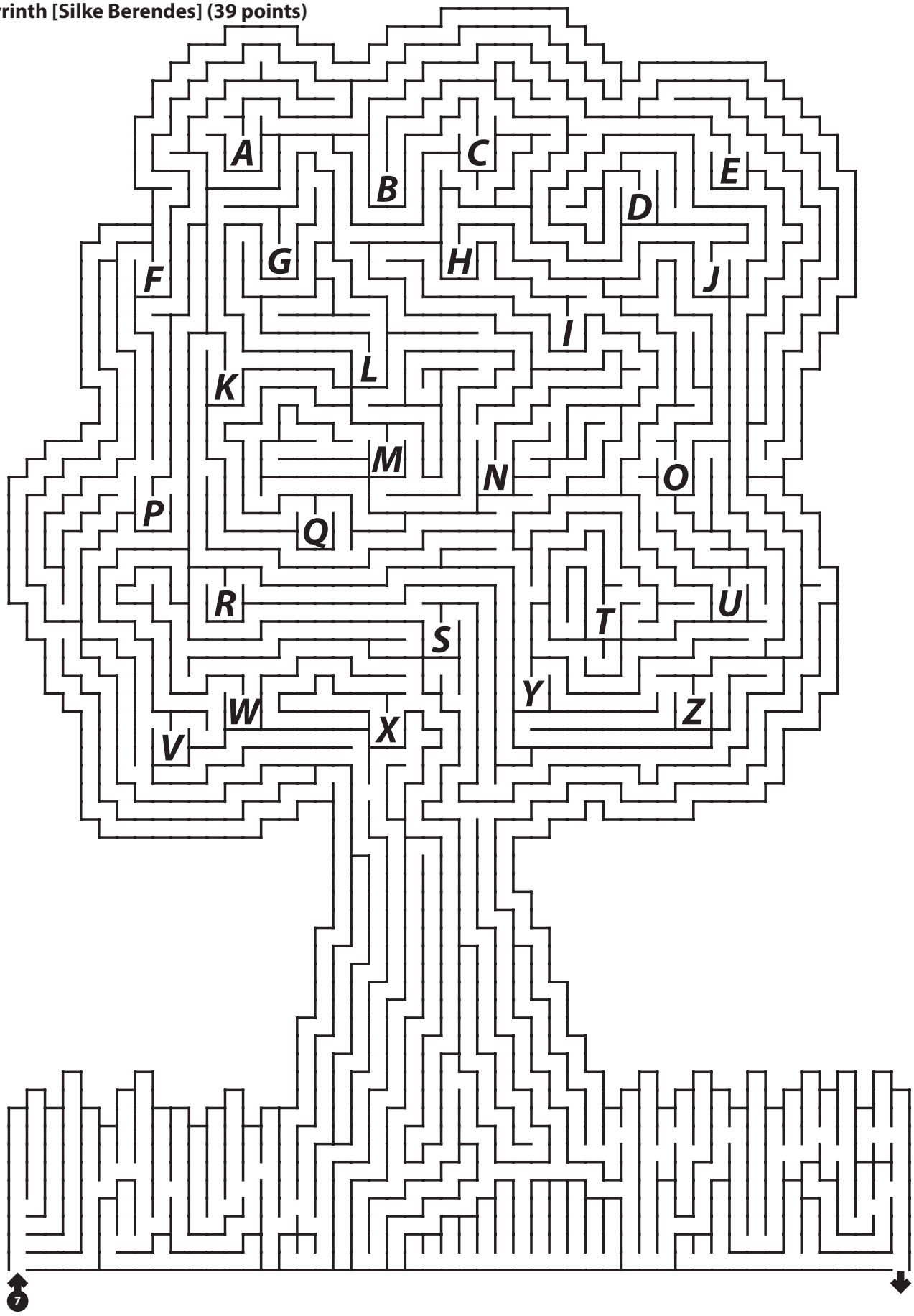
The example puzzle's path only goes through 4 lettered rooms.

Answer: Enter the letters from the rooms the path passes, in the order in which the path passes through them.

Example Answer:
EGHI



7. Labyrinth [Silke Berendes] (39 points)



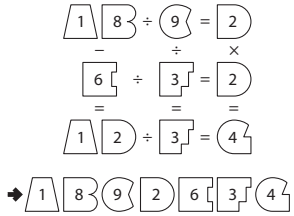
8-10. Arithmetic [Silke Berendes] (11, 15, 12 points)

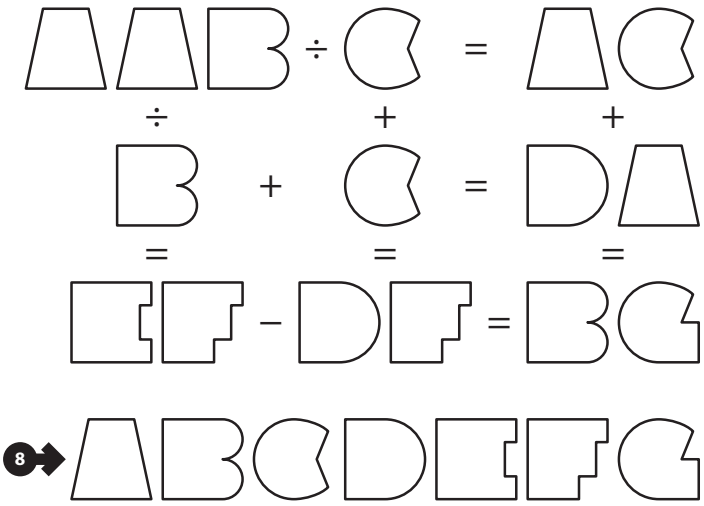
Each symbol represents a different (base ten) digit. Figure out which symbol corresponds to which digit so that all equations are true. Multi-digit numbers cannot start with the digit 0 (zero).

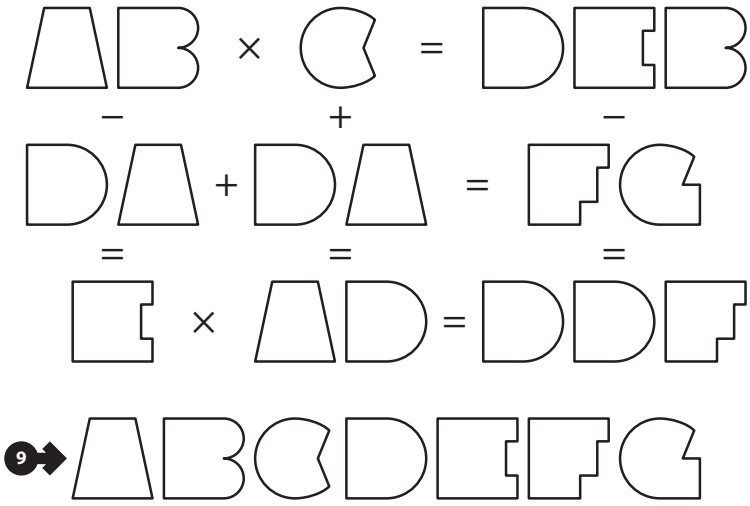
The bottom row of symbols is only used to help you enter your answer.

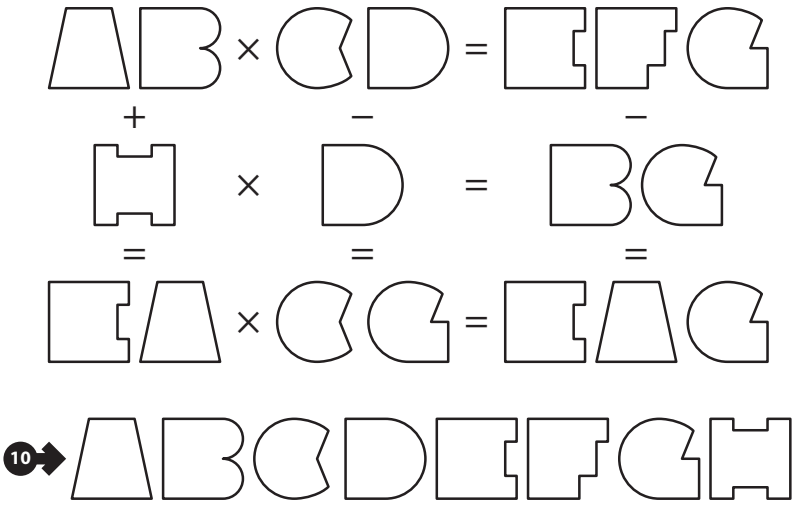
Answer: Enter the correct assignment of digits to the symbols, in order from left to right.

Example Answer: 1892634









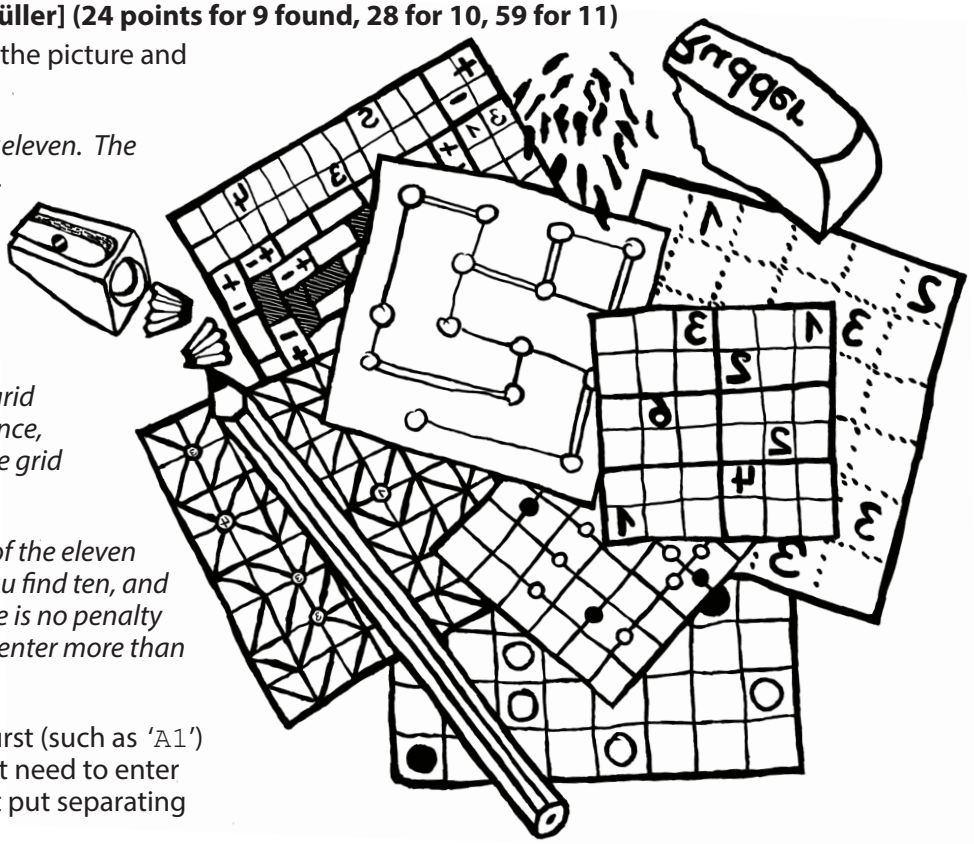
11. Find the Differences [Claudia Müller] (24 points for 9 found, 28 for 10, 59 for 11)

Find the eleven differences between the picture and its reflection.

The example has three differences, not eleven. The competition puzzle will be in greyscale.

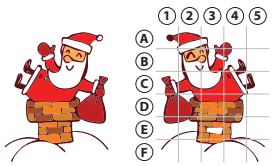
The differences are clearly intentional, such as things that have disappeared, moved, changed size, shape, or orientation. Ignore the grid lines and subtle differences due to graphic anomalies or overall distortion. Each grid square will contain at most one difference, and each difference will stay within one grid square.

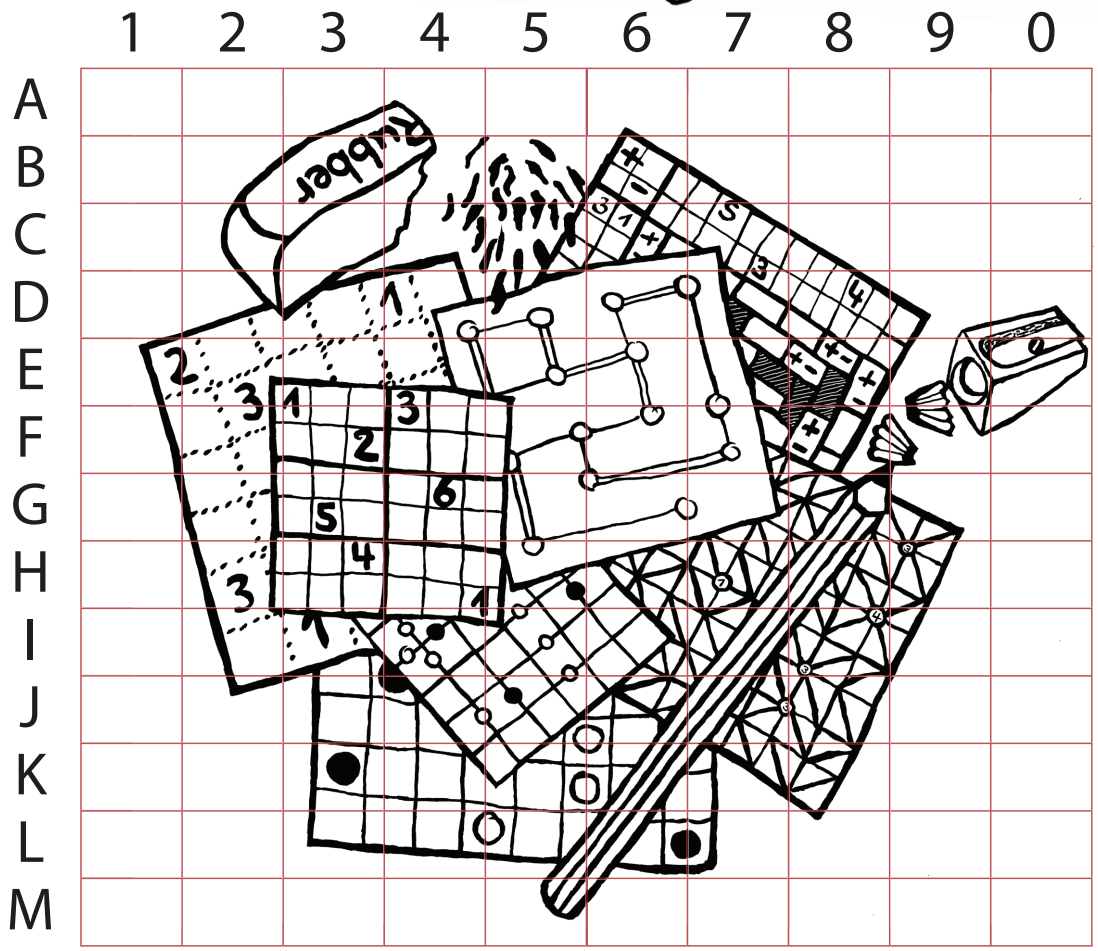
You will receive points if you find nine of the eleven differences, with additional points if you find ten, and more points if you find all eleven. There is no penalty for incorrect guesses, but you may not enter more than eleven coordinates.



Answer: Enter the coordinates, row first (such as 'A1') for each difference found. You do not need to enter them in any particular order. (Do not put separating symbols, such as spaces or commas, between the coordinates.)

Example Answer:
A1E3B2

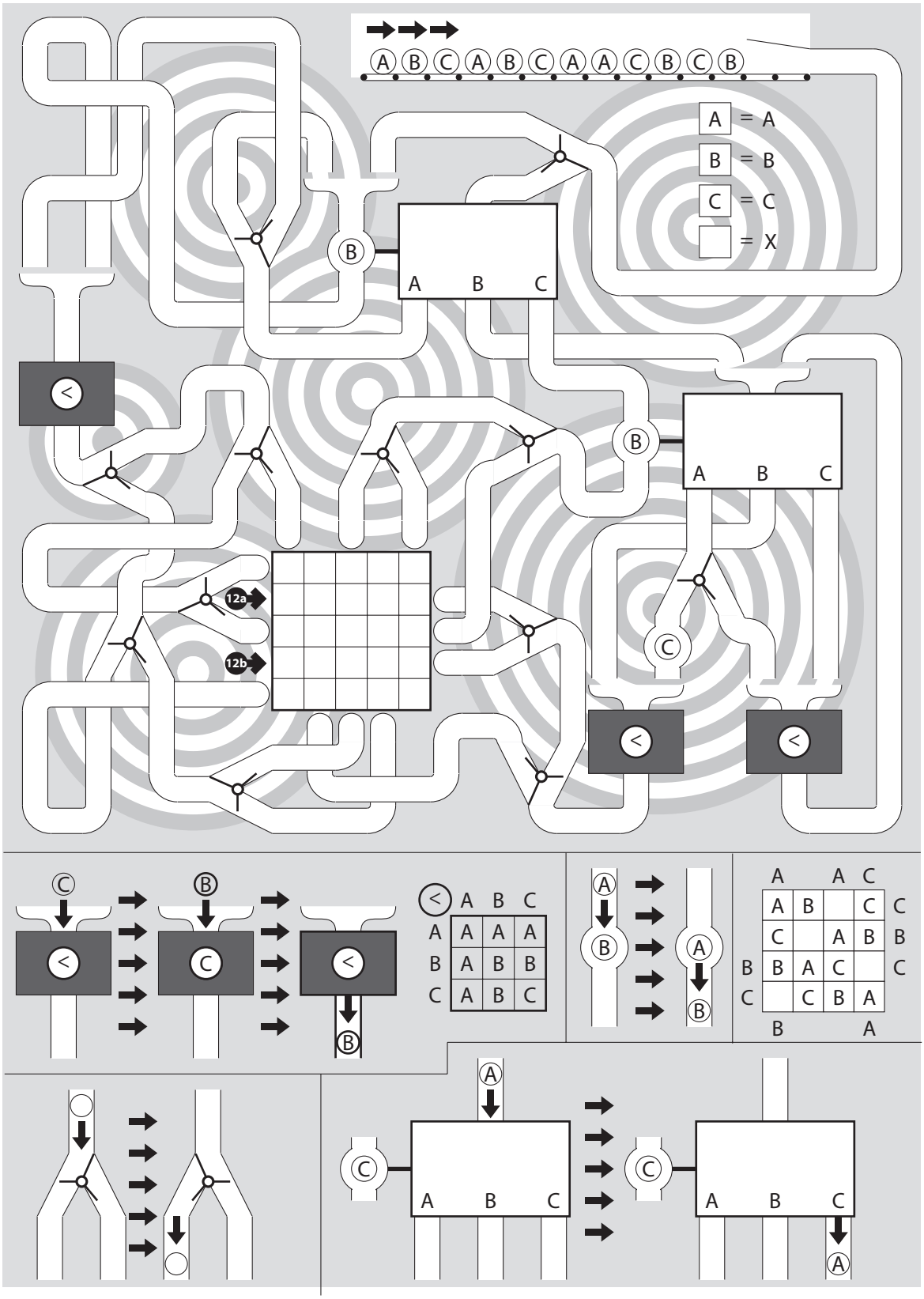




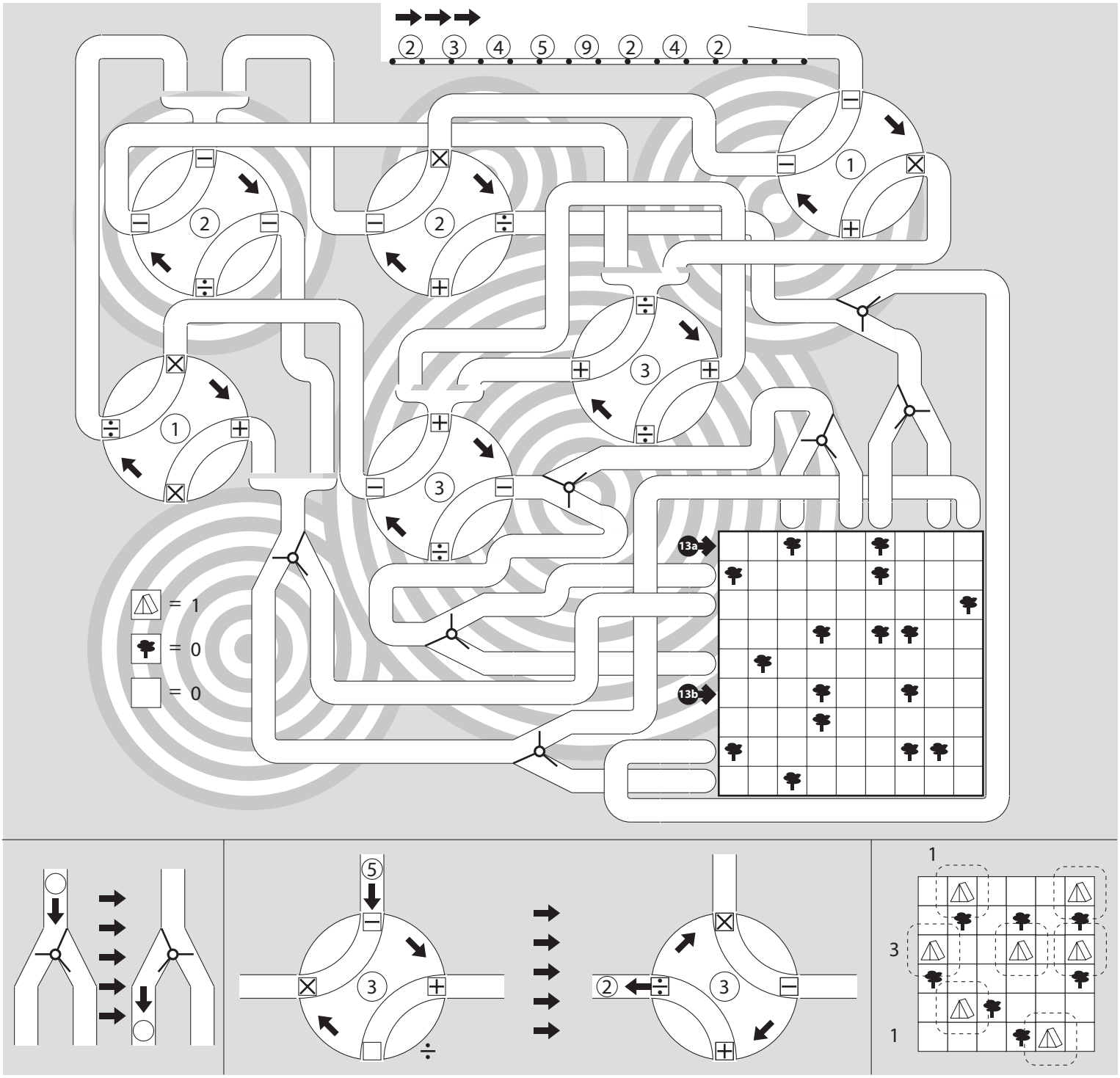
12. Instructionless Machine [Bernhard Seckinger] (57 points)

No text instructions are given for this puzzle.

Answer: For each designated row, enter its contents.



13. Instructionless Machine [Bernhard Seckinger] (64 points)

No text instructions are given for this puzzle.

Answer: For each designated row, enter its contents.