

Hard Level Patterns

Alternating, Complex Repeat, Double Repeat, Pattern Growing, Mirror, Sequence, Stutter, Triple Repeat

96 Puzzles

Difficulty: Hard



Developing Mathematical Thinking Through Patterns

Pattern recognition is a foundational skill for mathematical reasoning. By identifying sequences, predicting what comes next, and understanding repetition, children develop the logical thinking and problem-solving skills essential for algebra, geometry, and everyday reasoning.

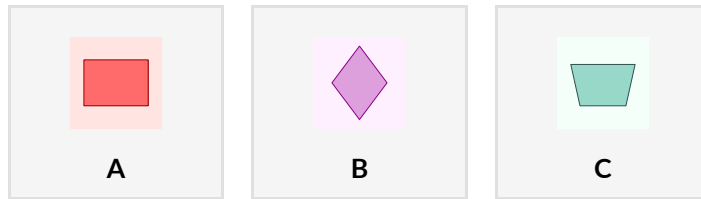
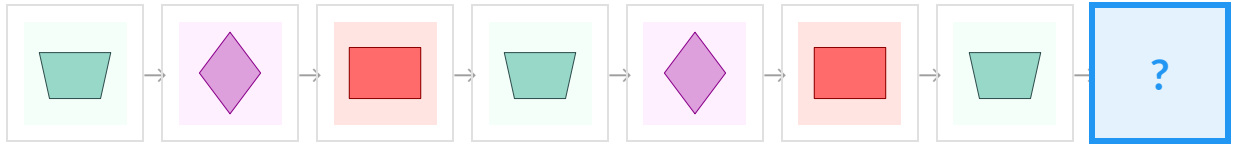
¹ Aligned with early mathematics curriculum focusing on patterns and algebraic thinking.

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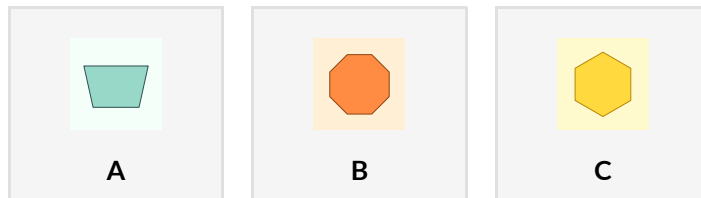
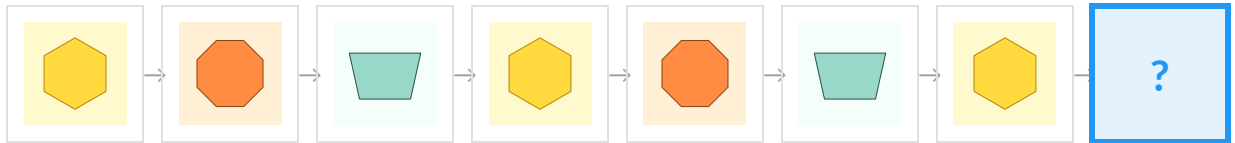
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Complete each pattern by circling the correct shape:

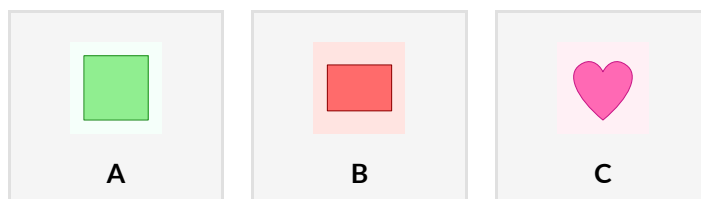
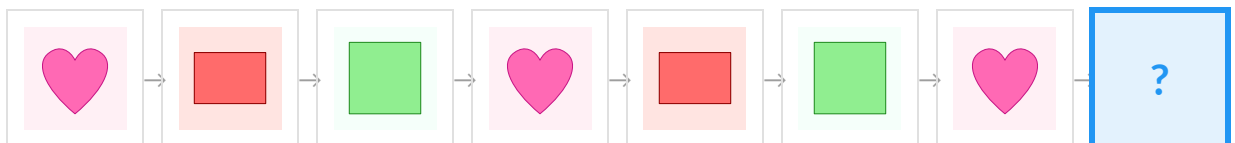
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2.



3.

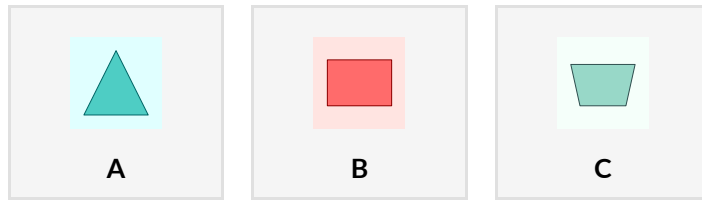
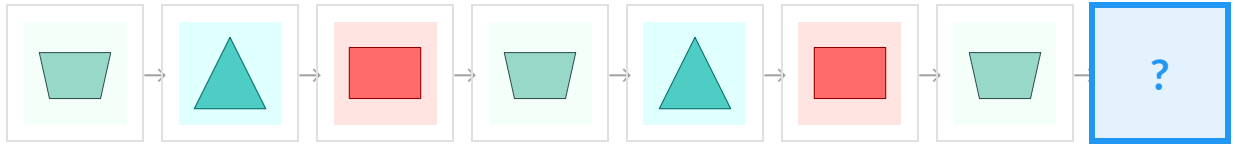


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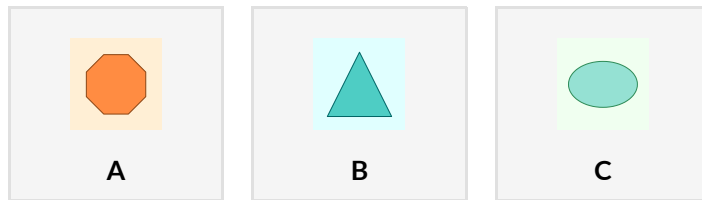
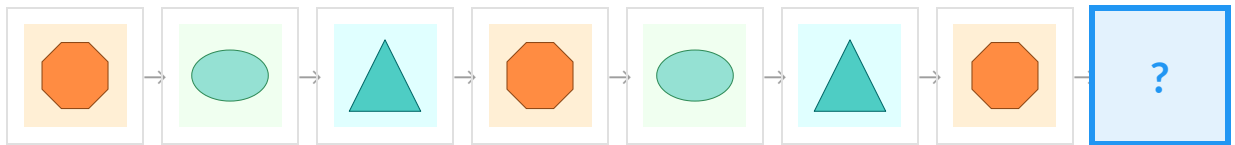
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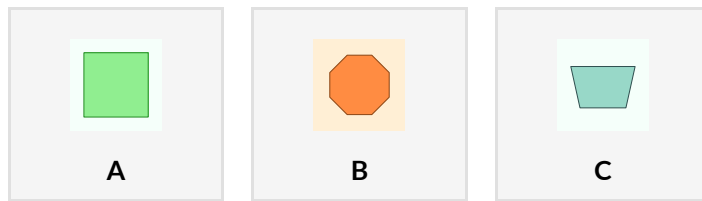
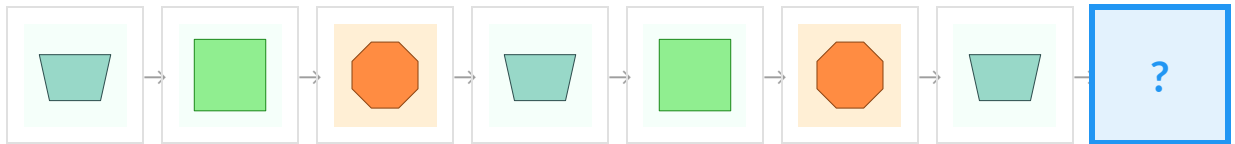
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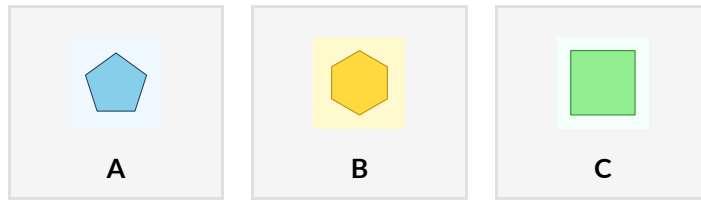
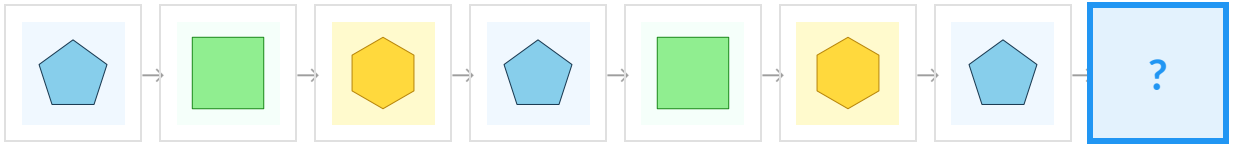


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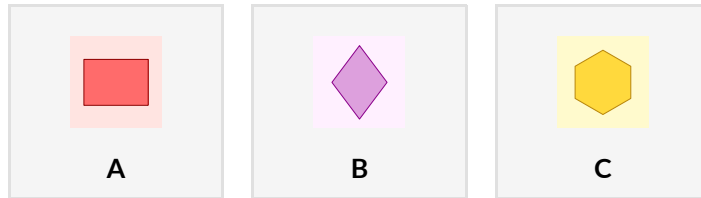
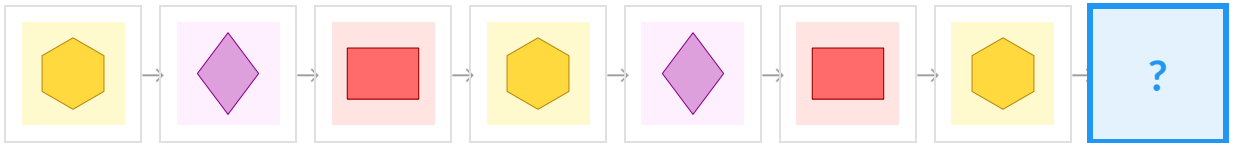
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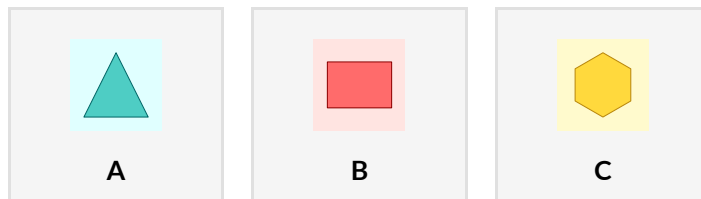
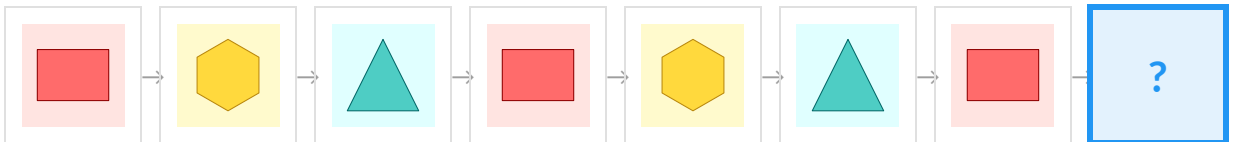
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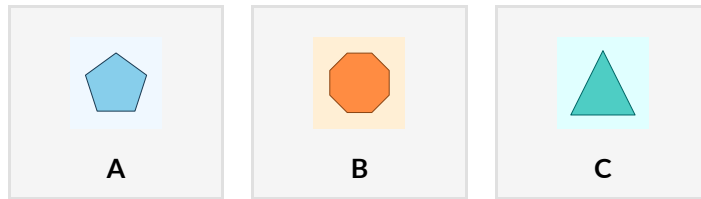
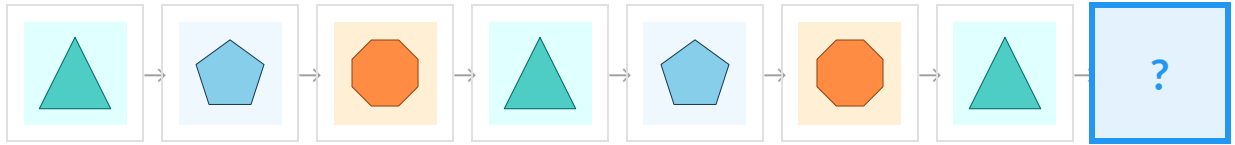


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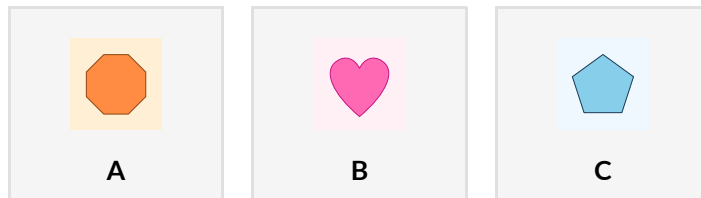
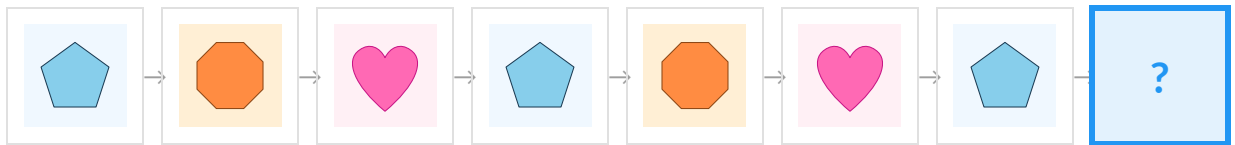
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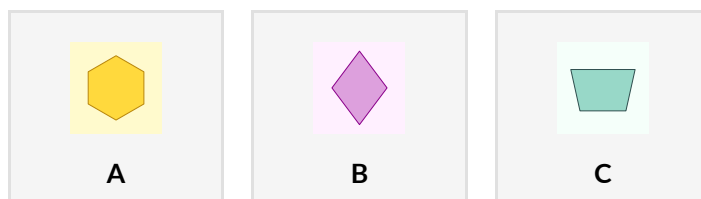
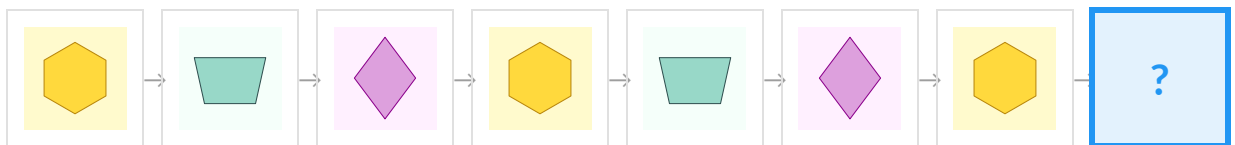
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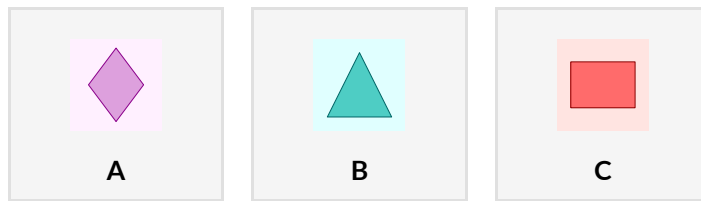
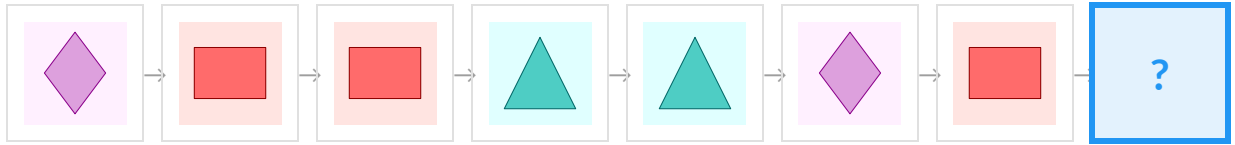


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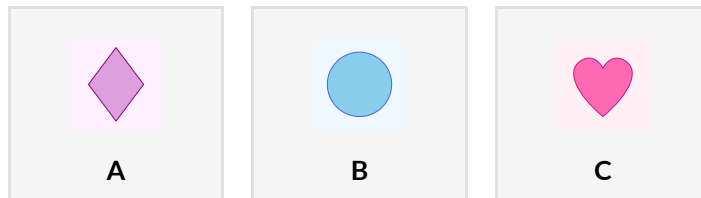
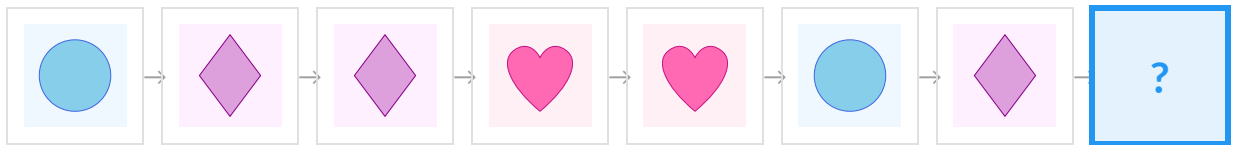
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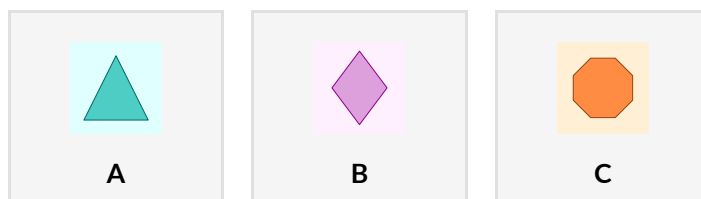
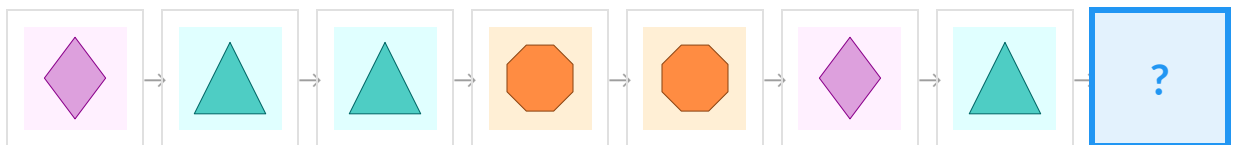
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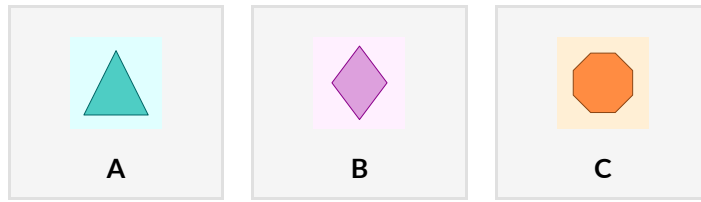
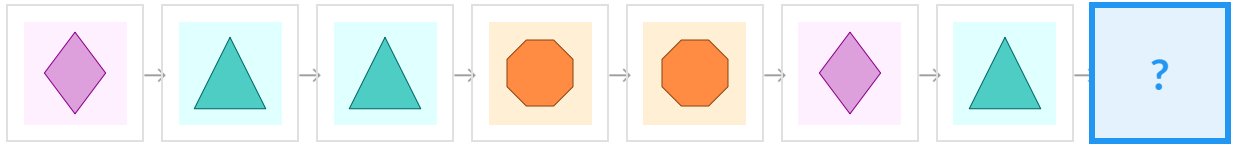


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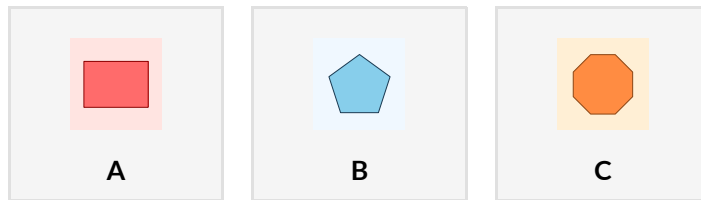
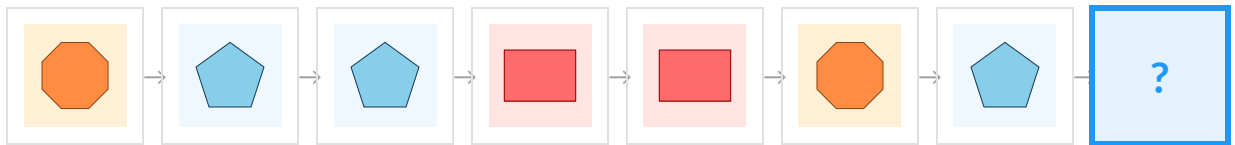
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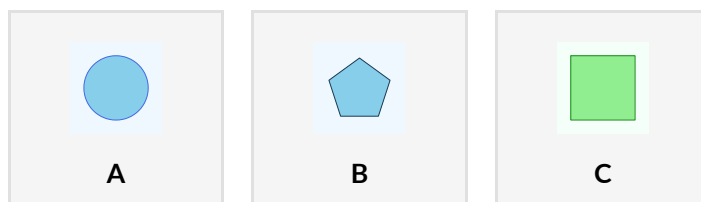
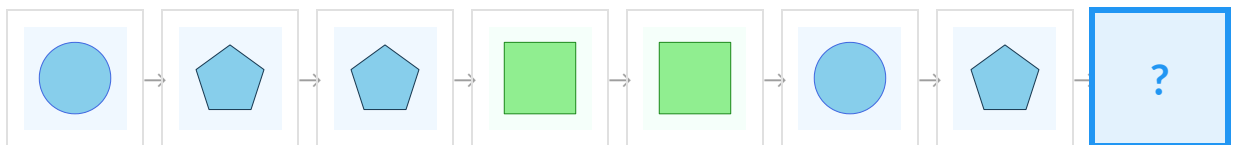
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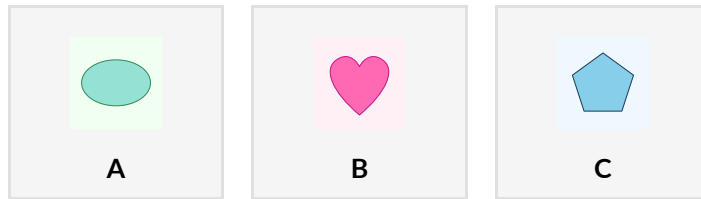
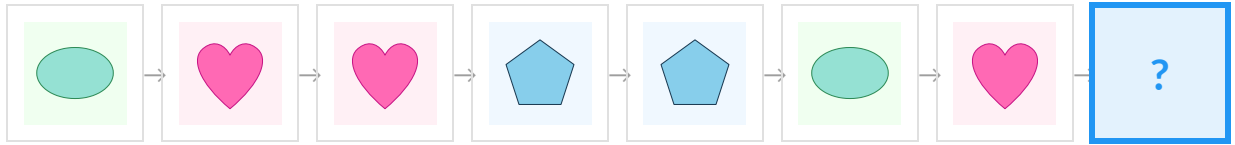


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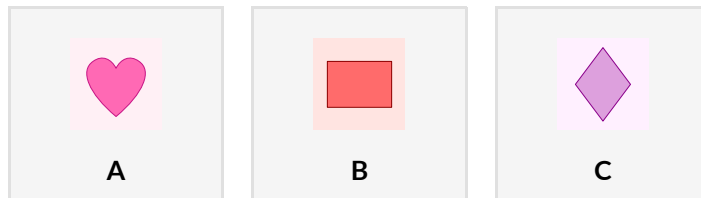
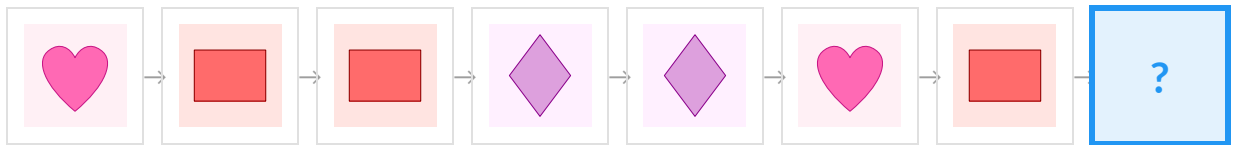
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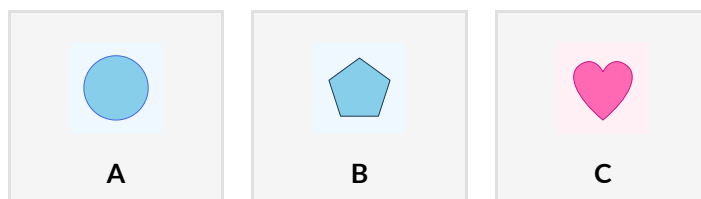
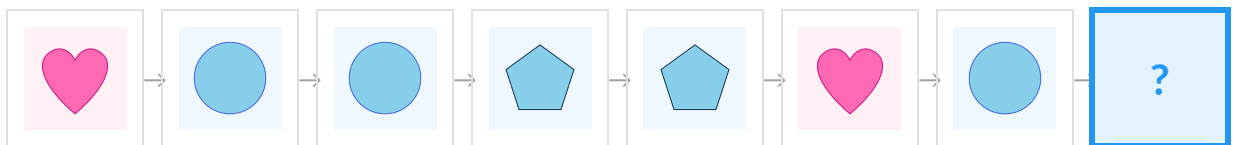
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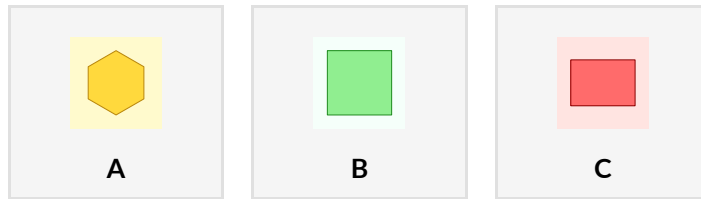
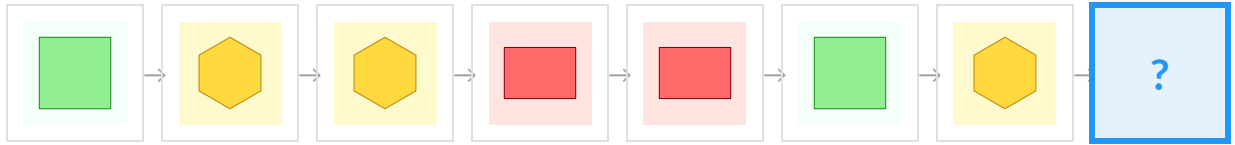


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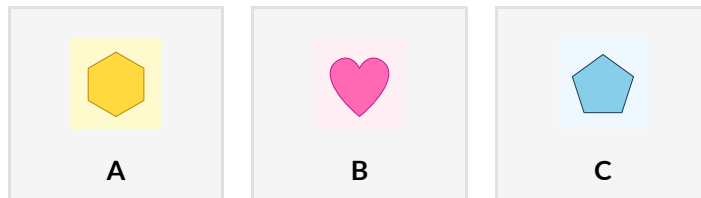
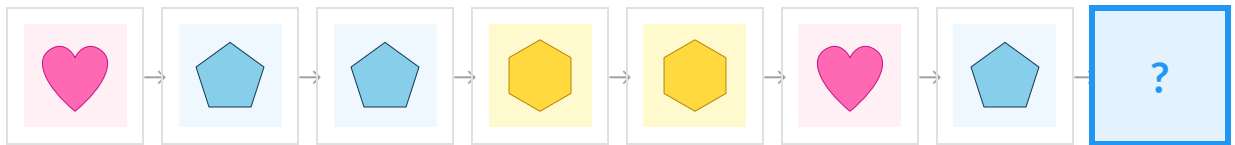
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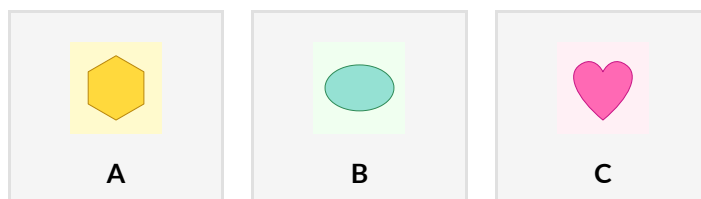
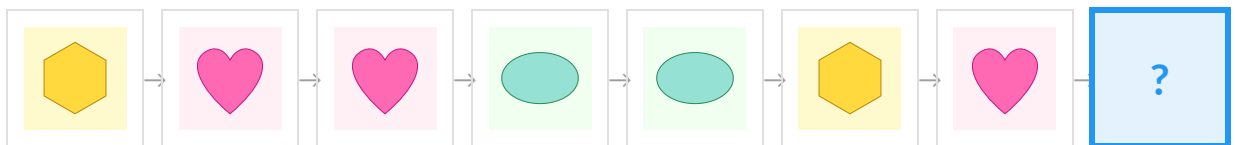
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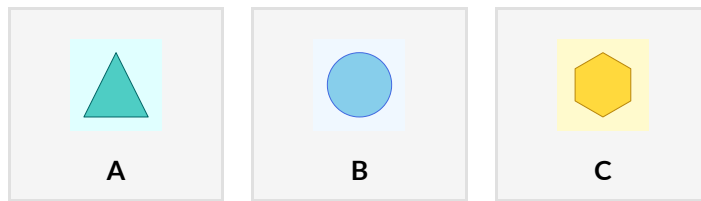
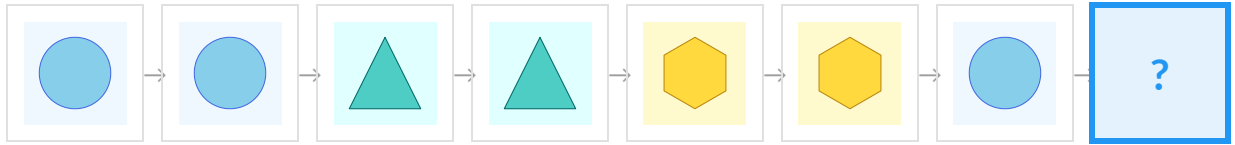


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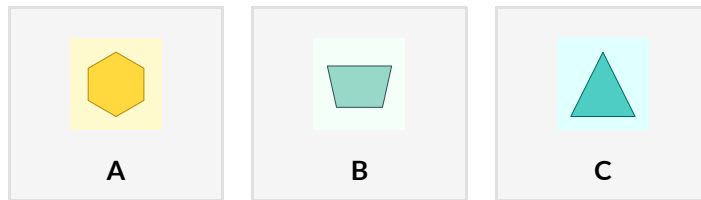
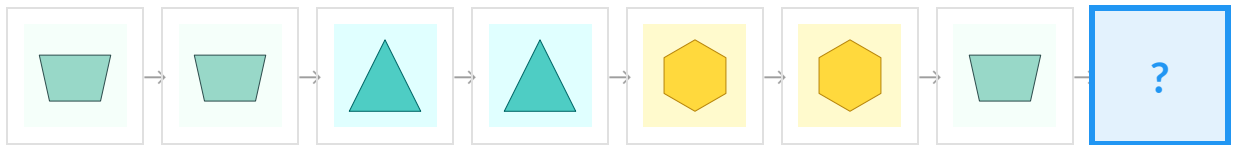
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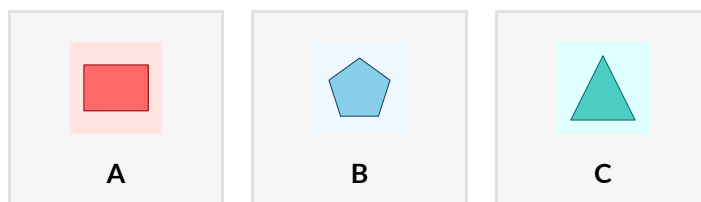
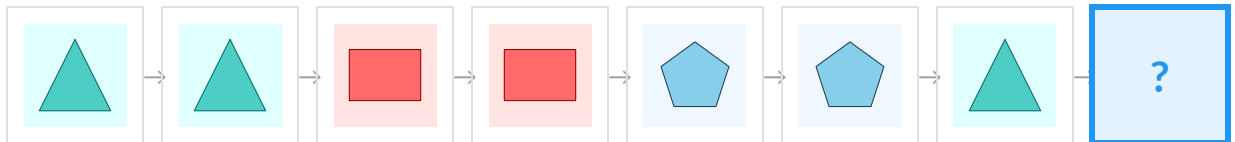
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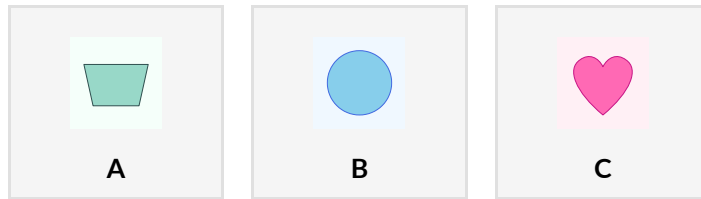
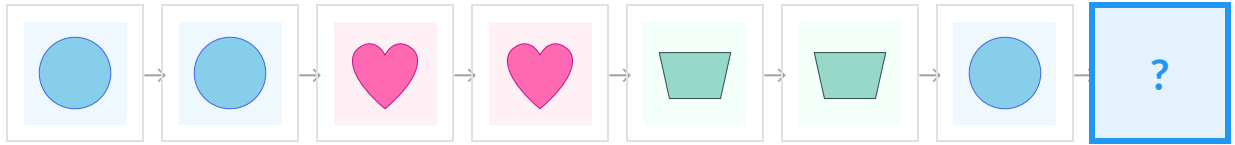


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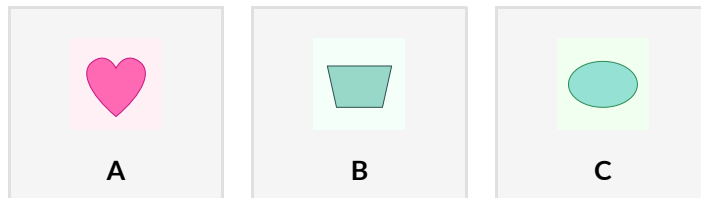
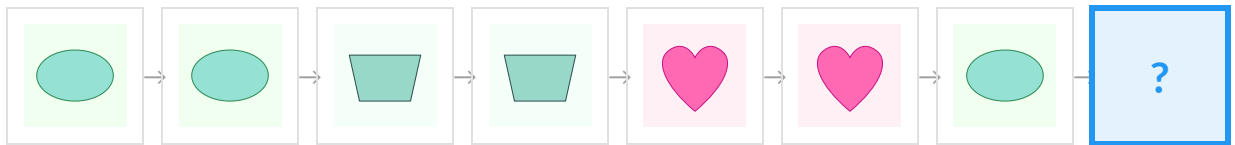
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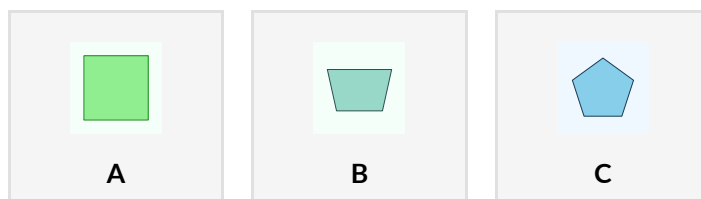
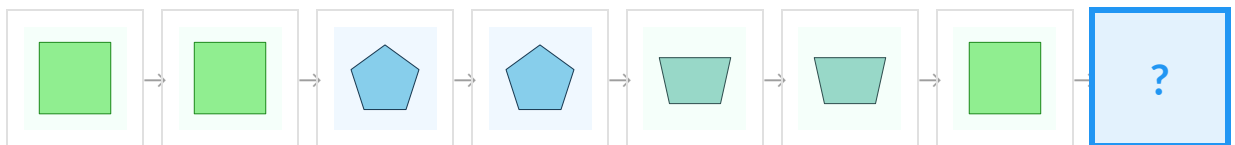
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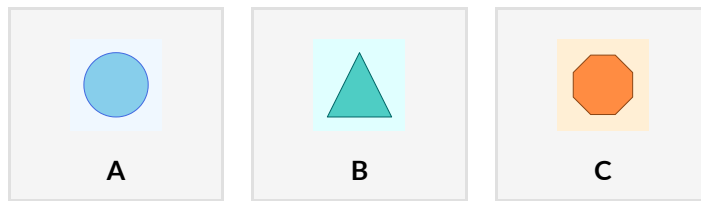
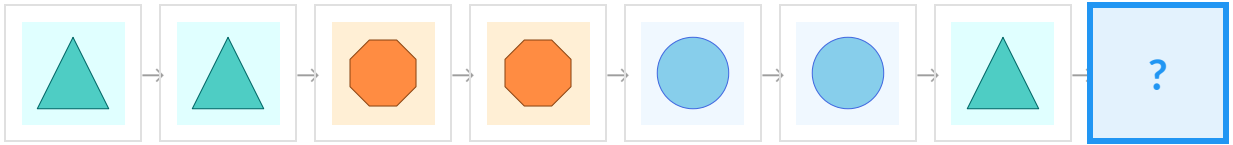


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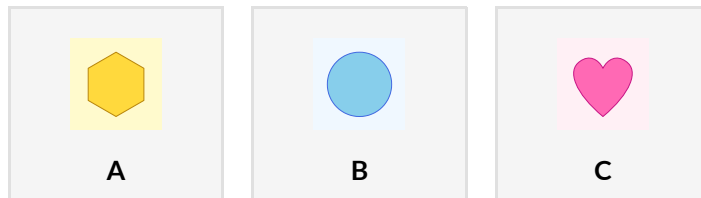
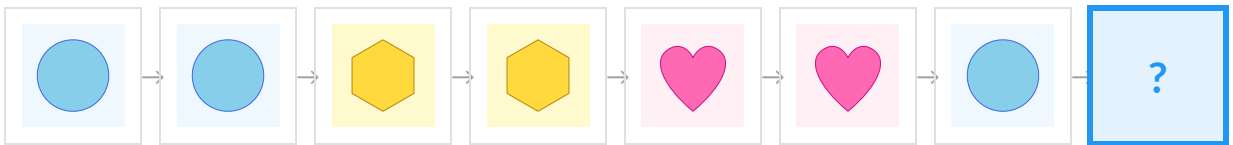
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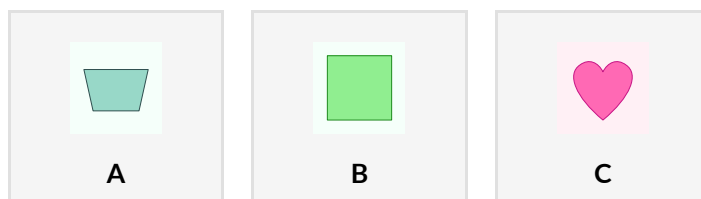
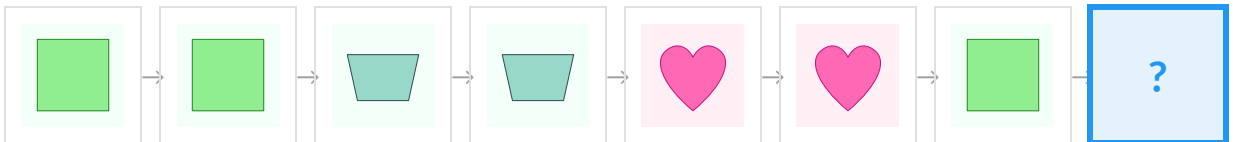
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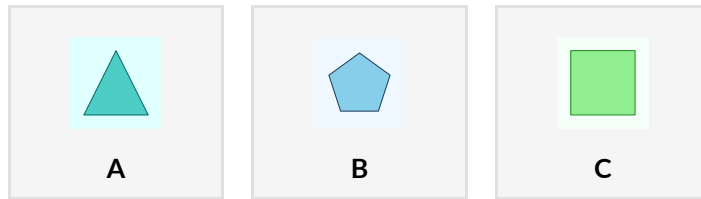
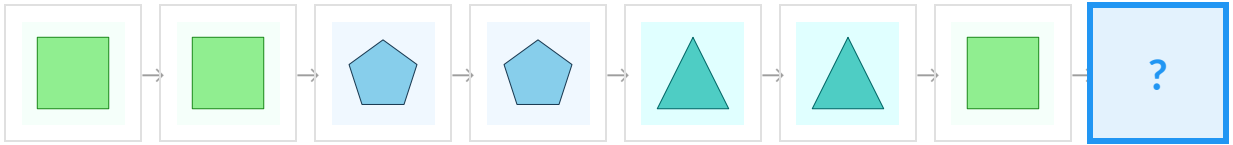


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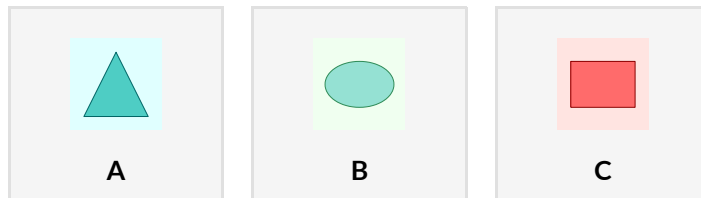
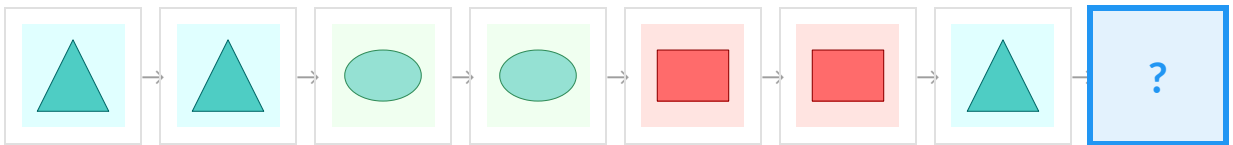
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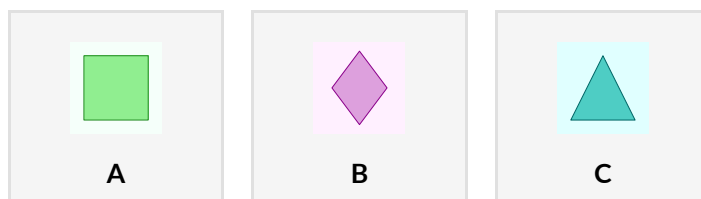
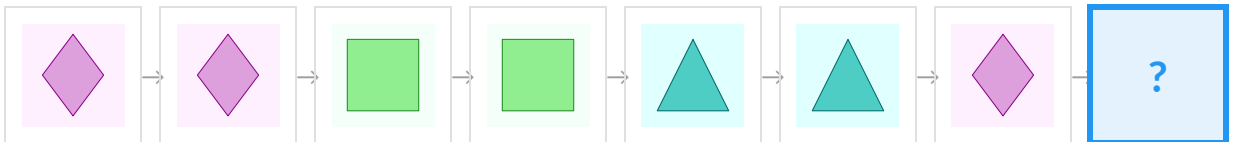
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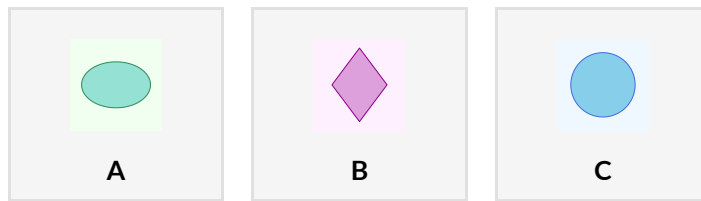
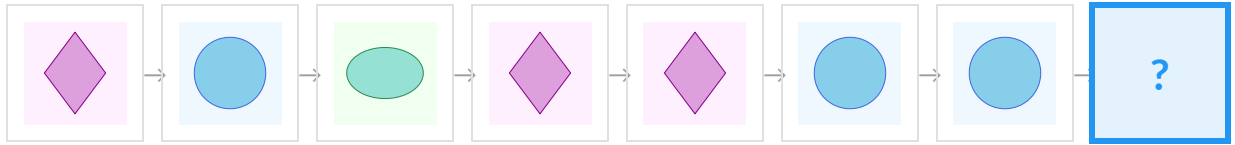


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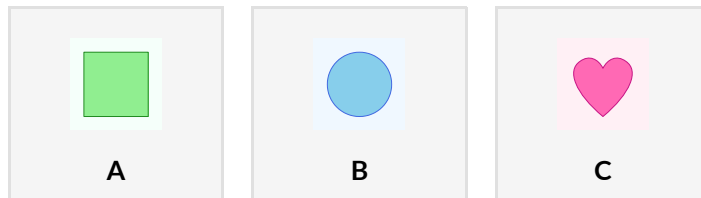
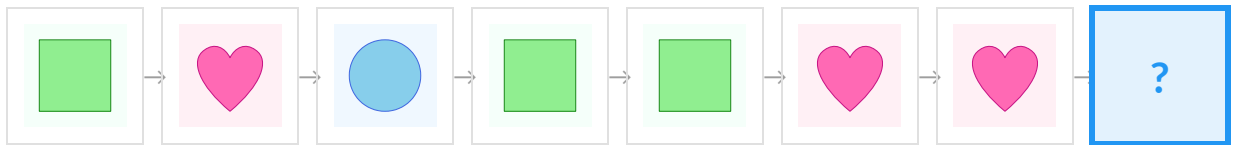
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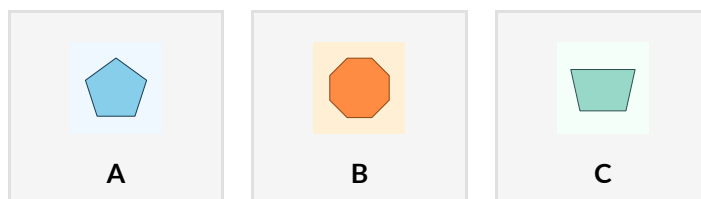
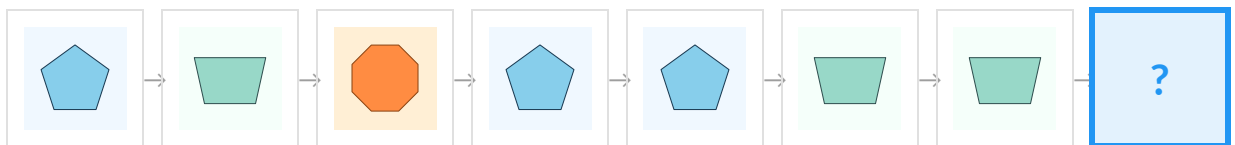
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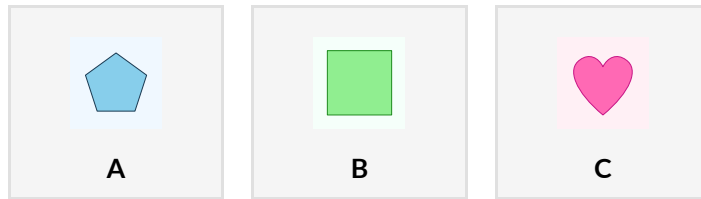
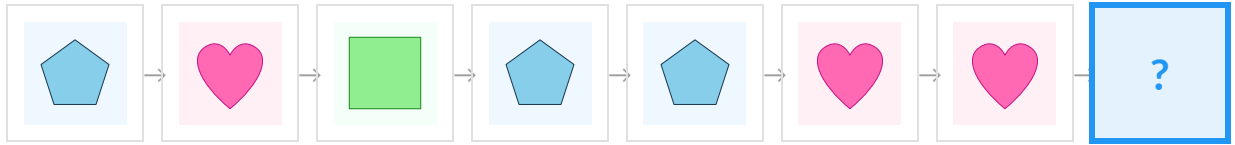


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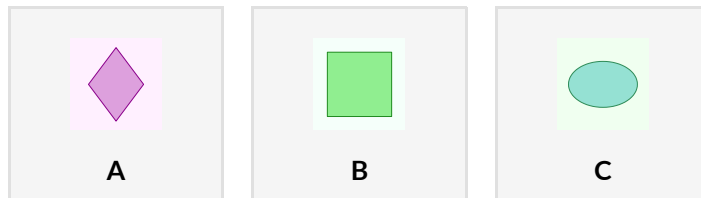
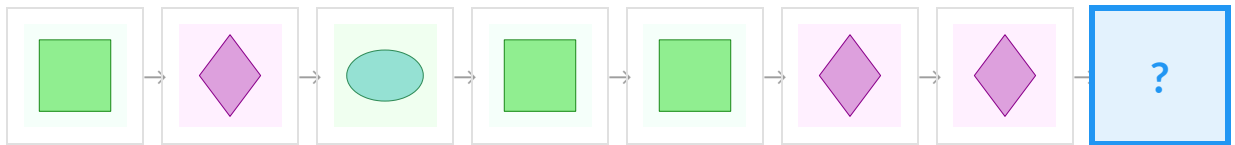
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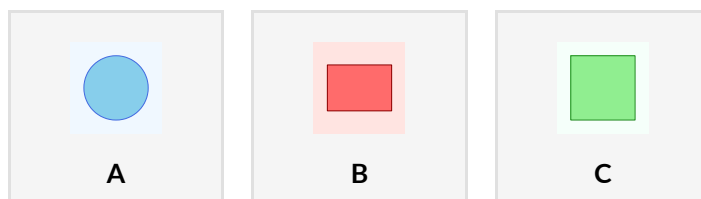
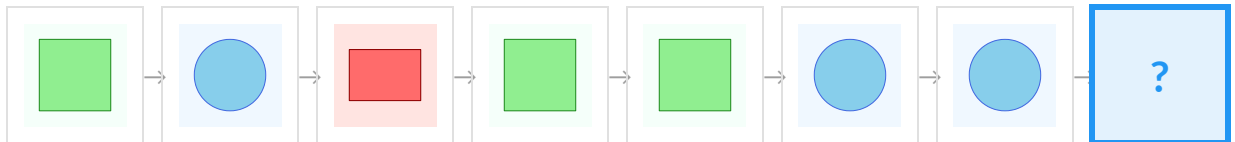
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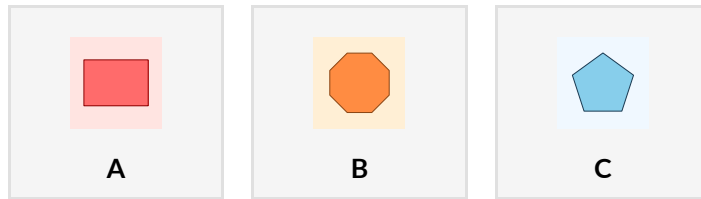
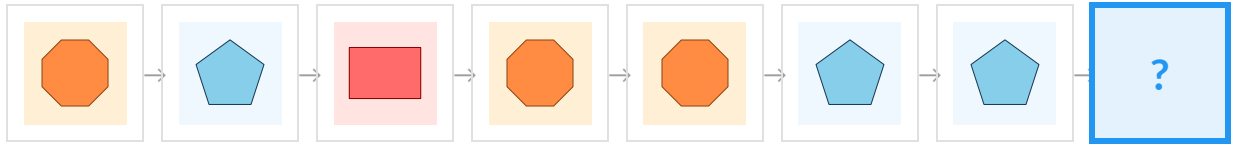


Hard Level Patterns

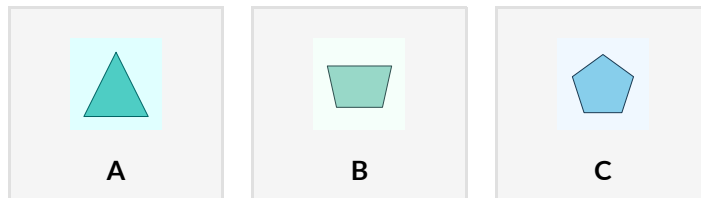
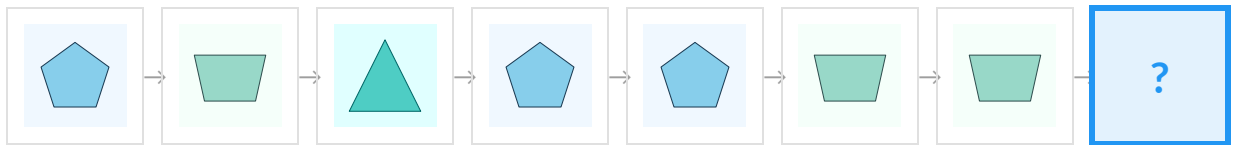
Difficulty: Hard

Complete each pattern by circling the correct shape:

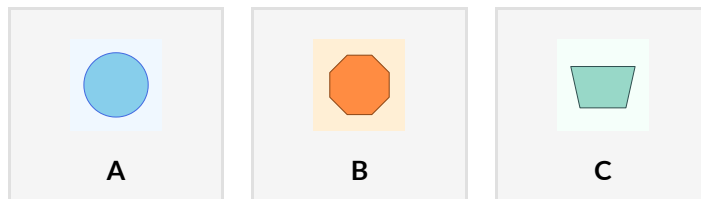
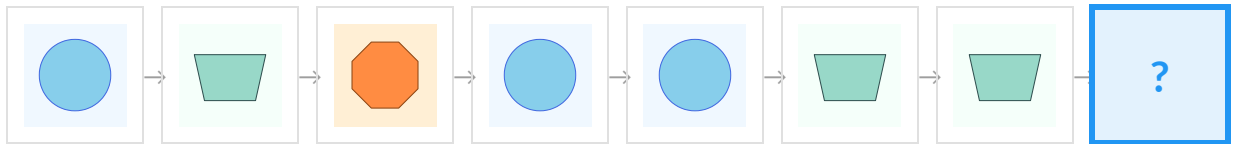
43.



44.



45.

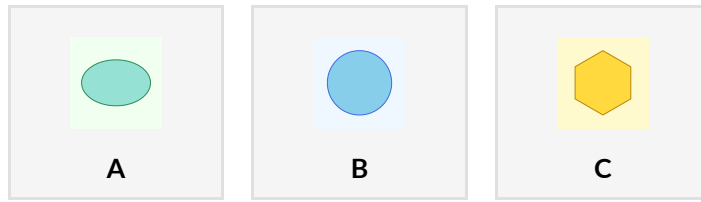
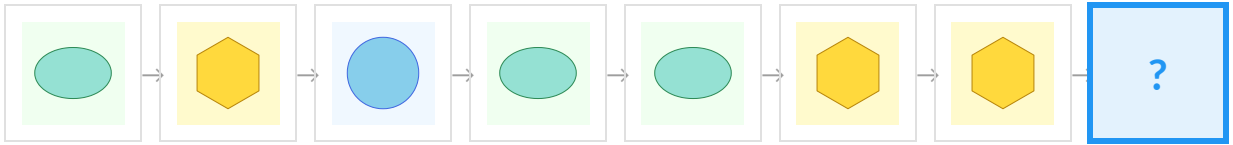


Hard Level Patterns

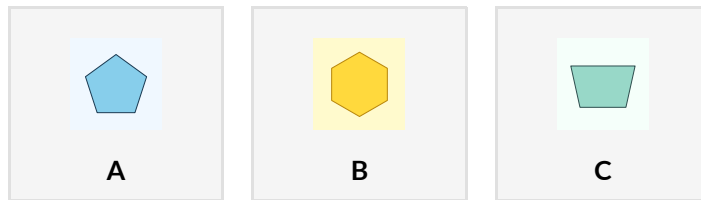
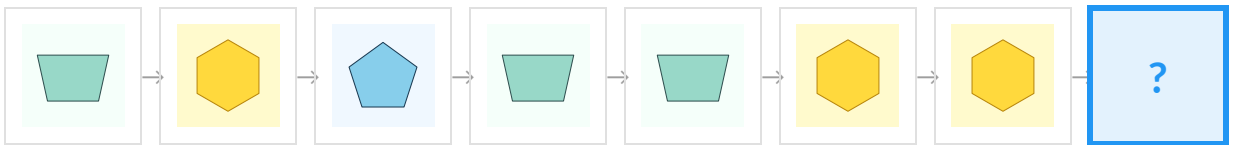
Difficulty: Hard

Complete each pattern by circling the correct shape:

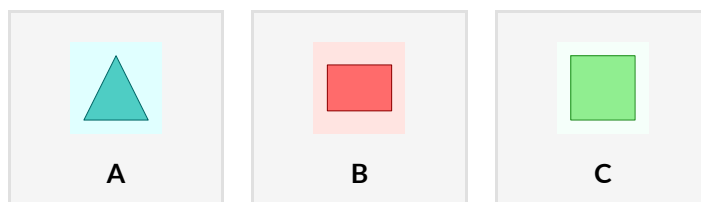
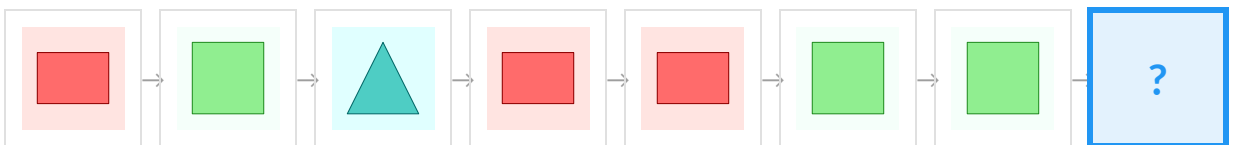
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47.



48.

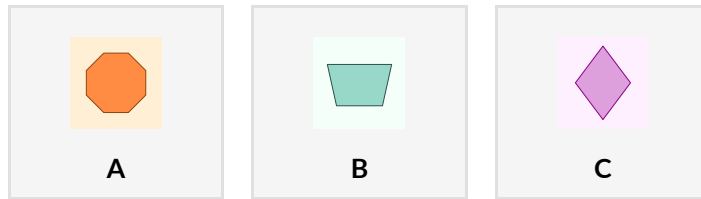
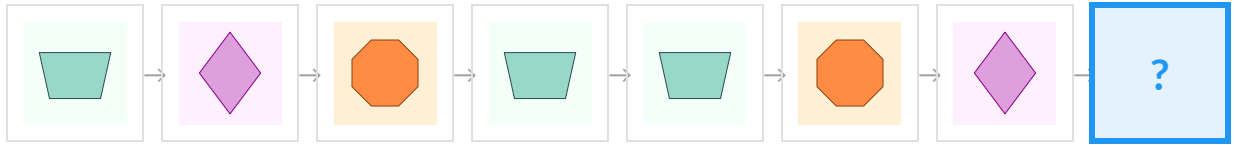


Hard Level Patterns

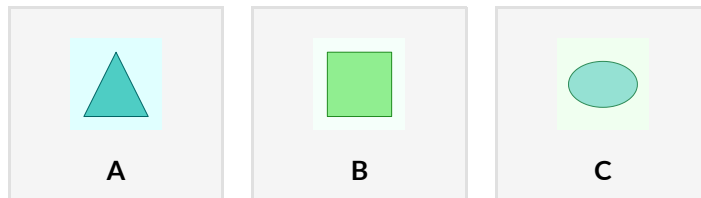
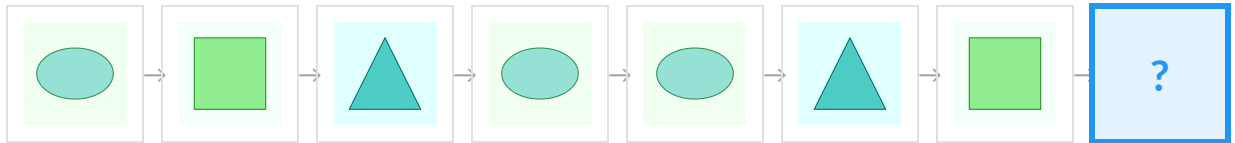
Difficulty: Hard

Complete each pattern by circling the correct shape:

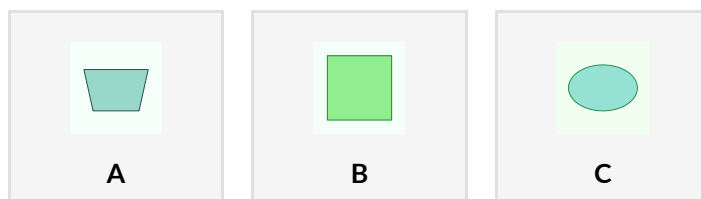
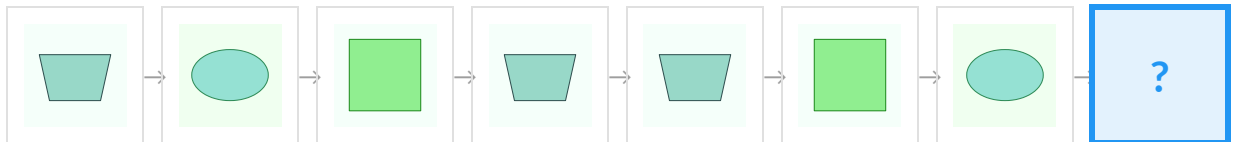
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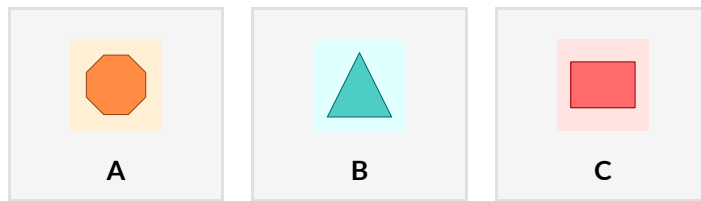
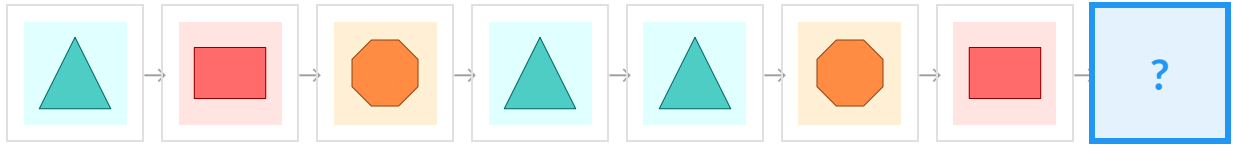


Hard Level Patterns

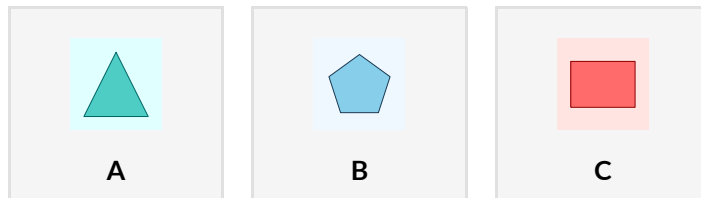
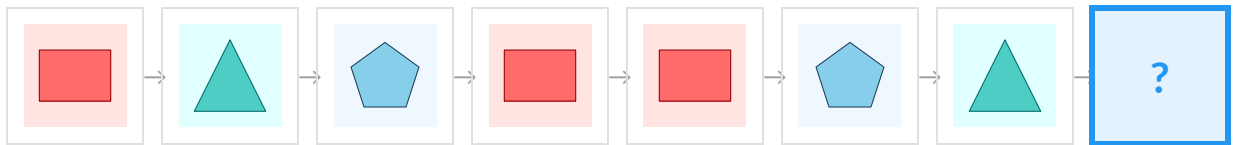
Difficulty: Hard

Complete each pattern by circling the correct shape:

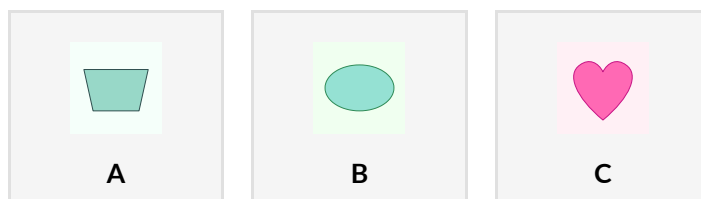
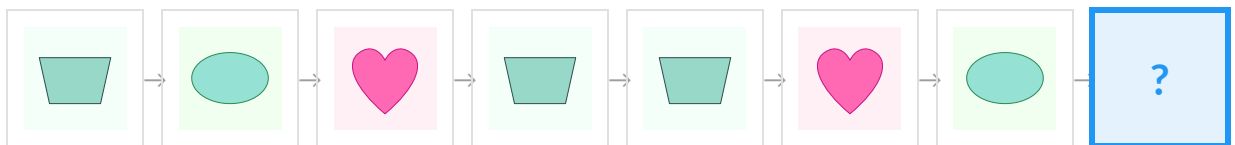
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54.

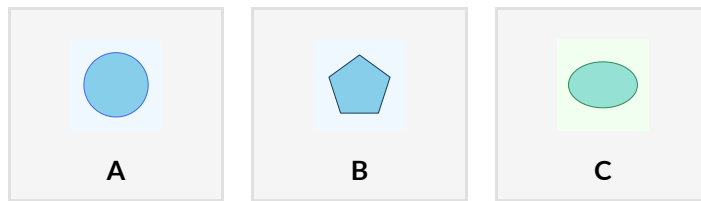
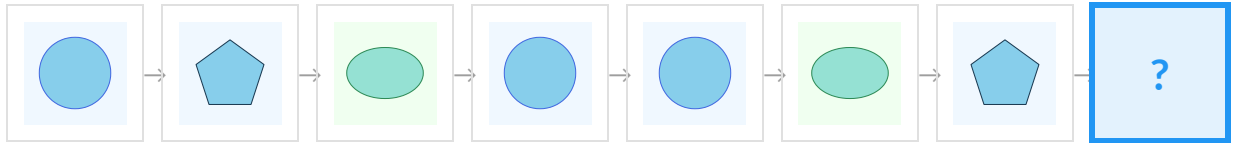


Hard Level Patterns

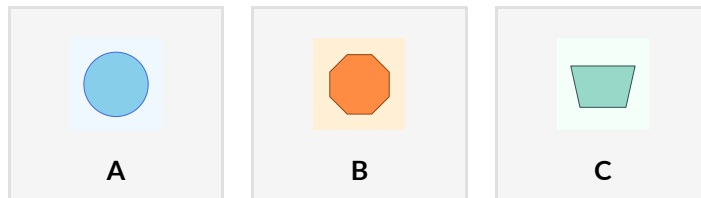
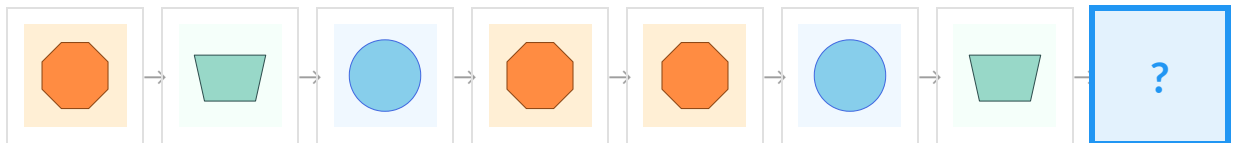
Difficulty: Hard

Complete each pattern by circling the correct shape:

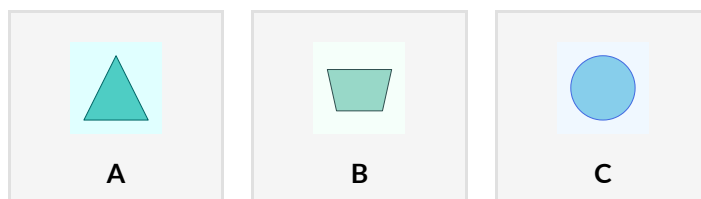
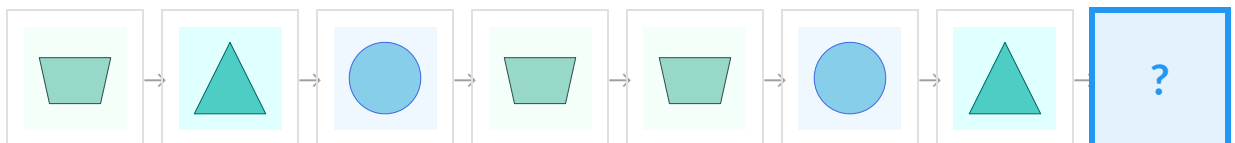
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56.



57.

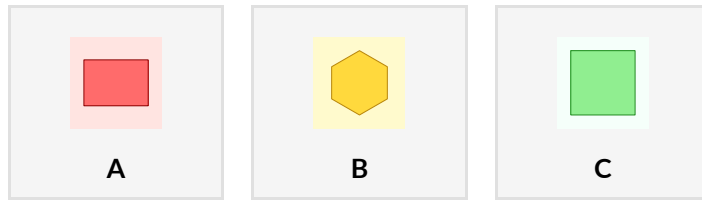
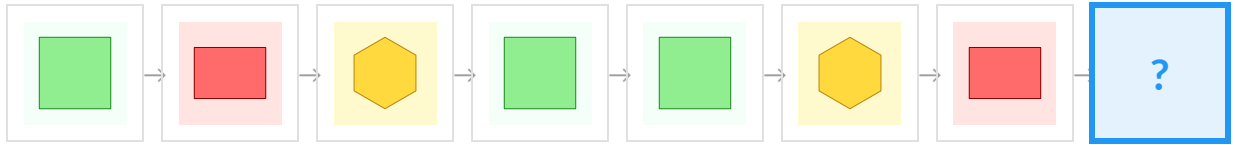


Hard Level Patterns

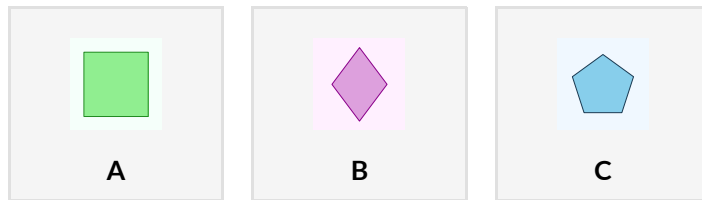
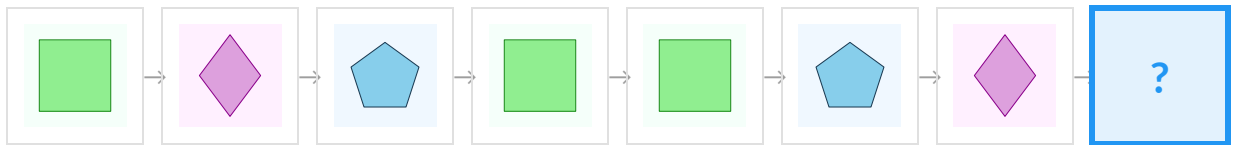
Difficulty: Hard

Complete each pattern by circling the correct shape:

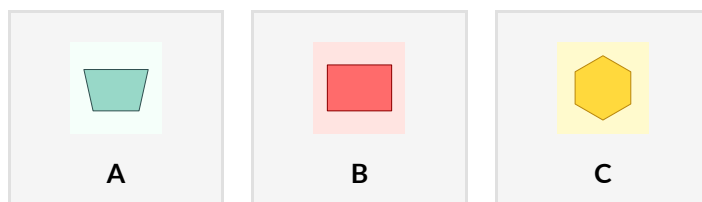
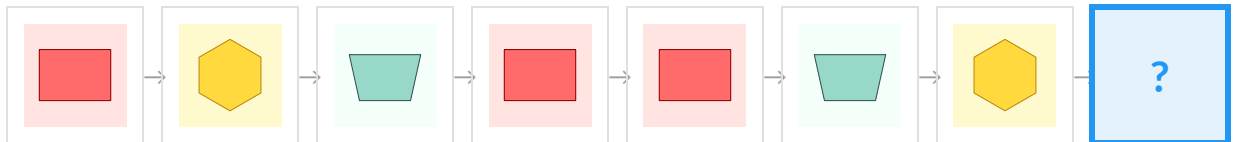
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59.



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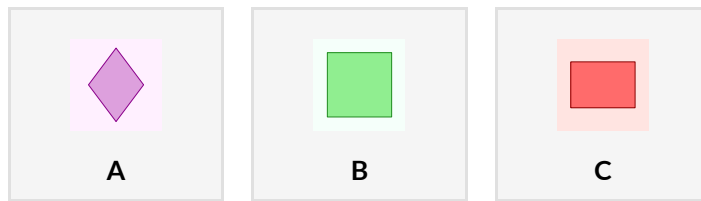
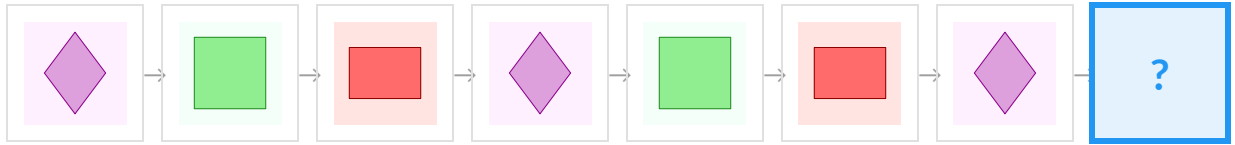


Hard Level Patterns

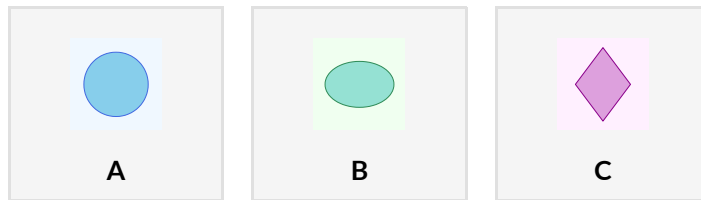
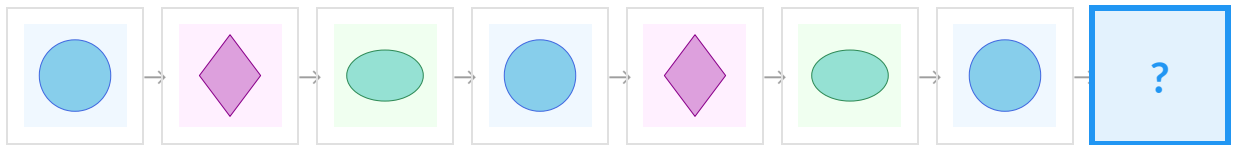
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Complete each pattern by circling the correct shape:

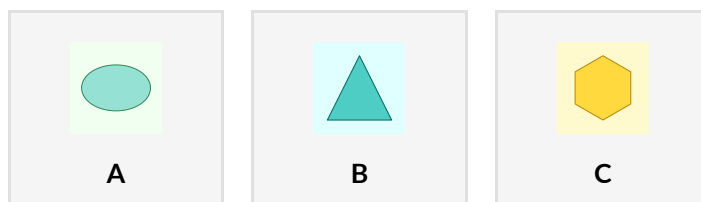
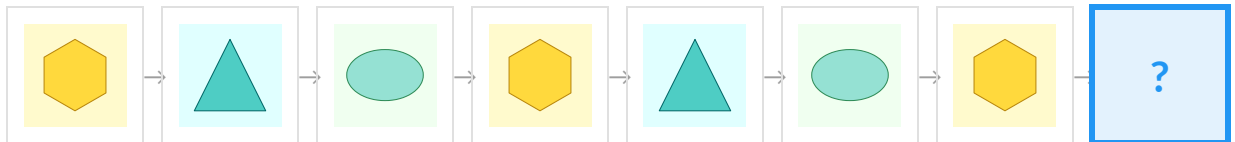
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62.



63.

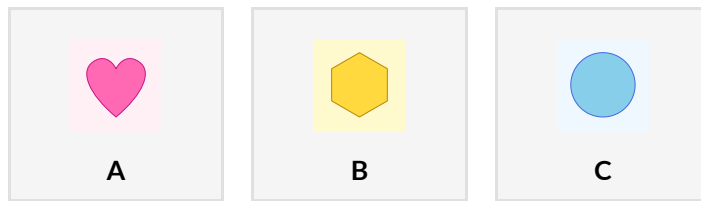
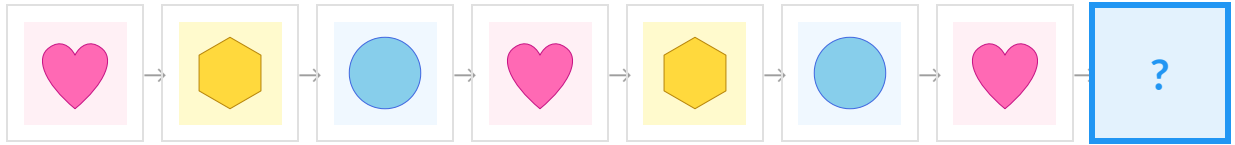


Hard Level Patterns

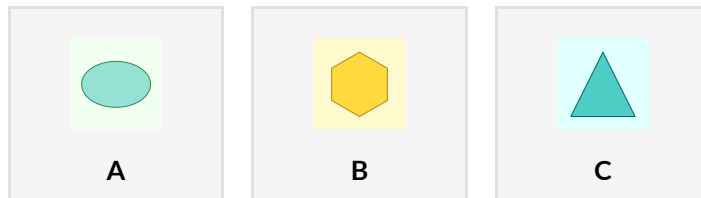
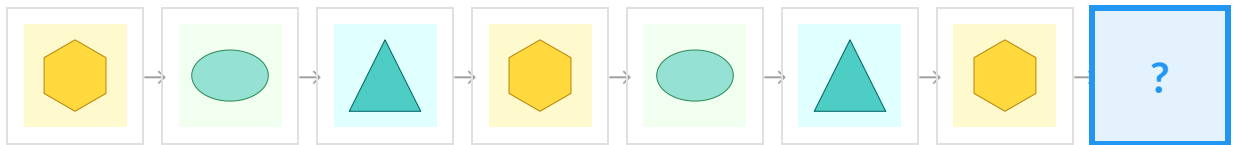
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Complete each pattern by circling the correct shape:

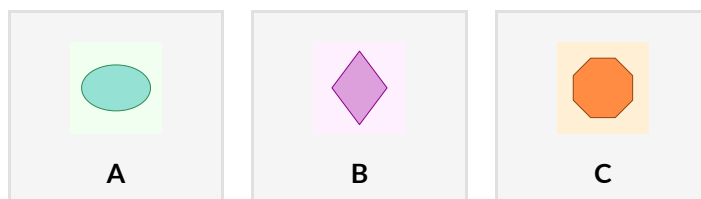
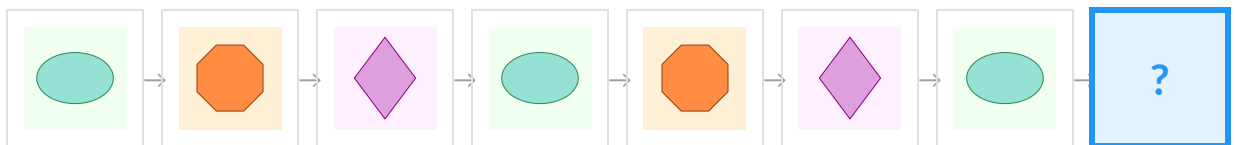
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66.

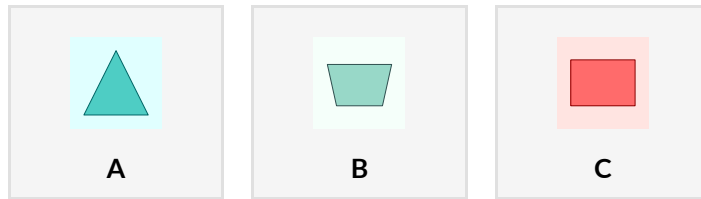
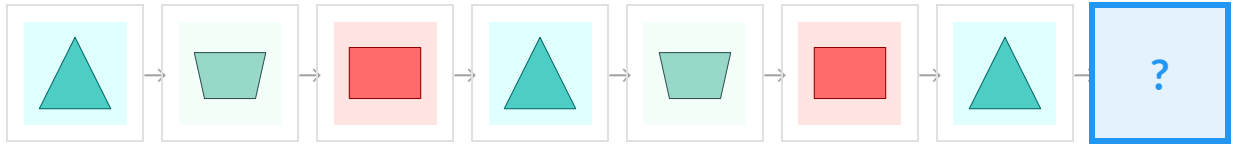


Hard Level Patterns

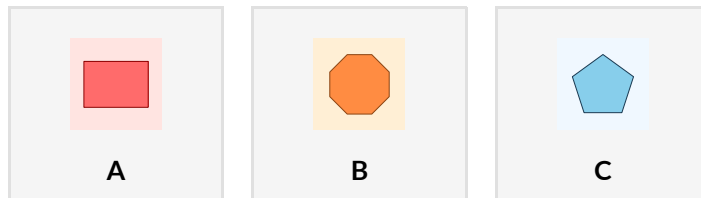
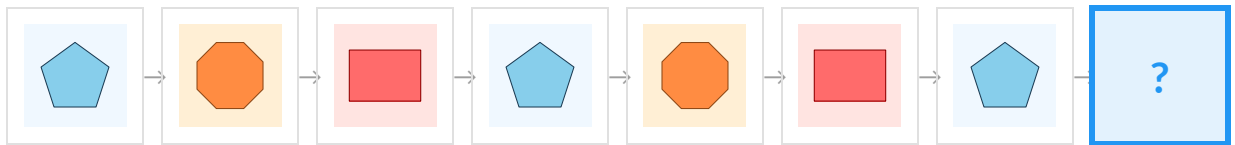
Difficulty: Hard

Complete each pattern by circling the correct shape:

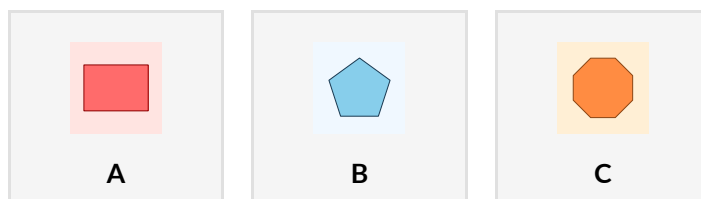
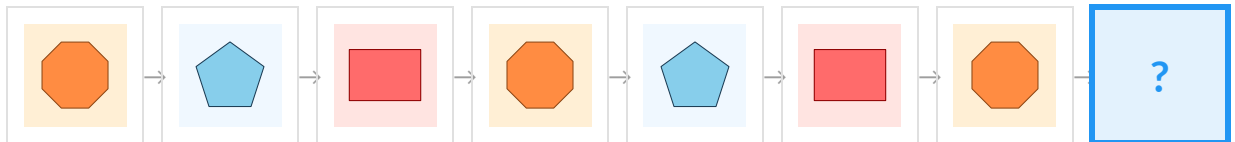
67.



68.



69.

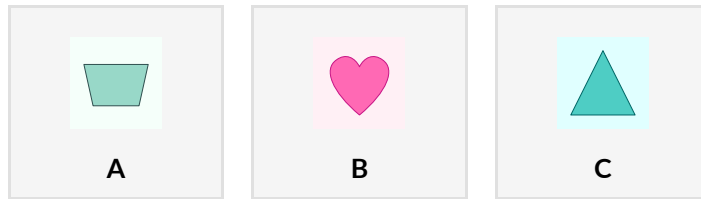
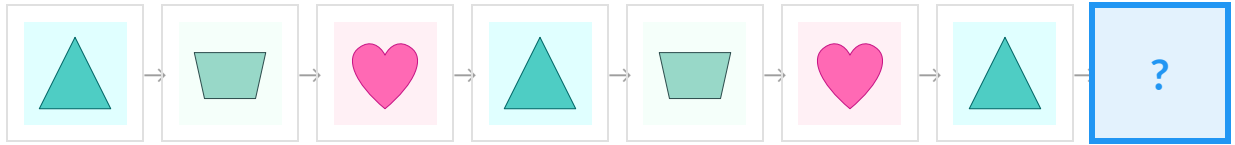


Hard Level Patterns

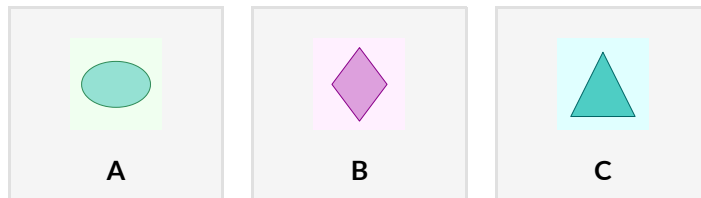
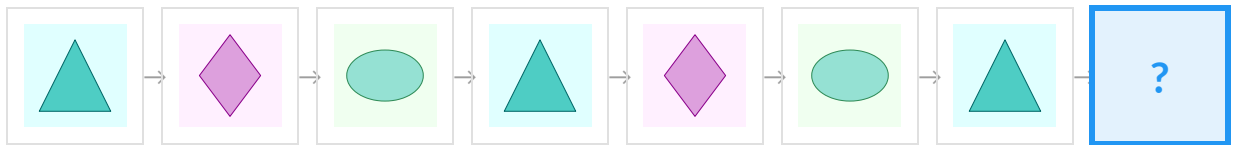
Difficulty: Hard

Complete each pattern by circling the correct shape:

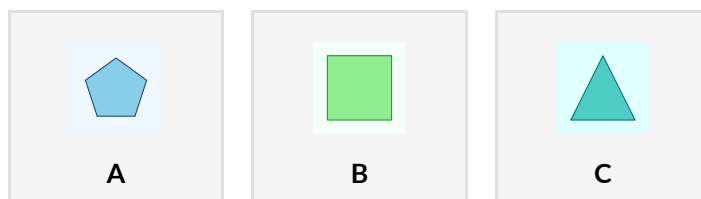
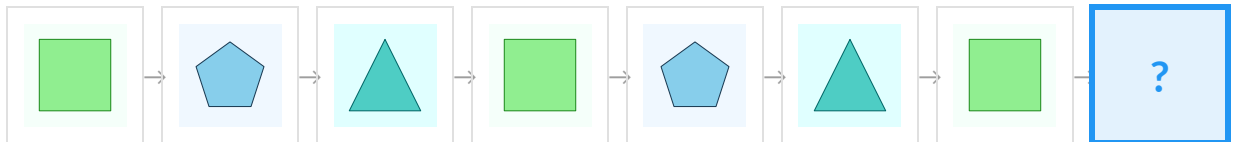
70.



71.



72.

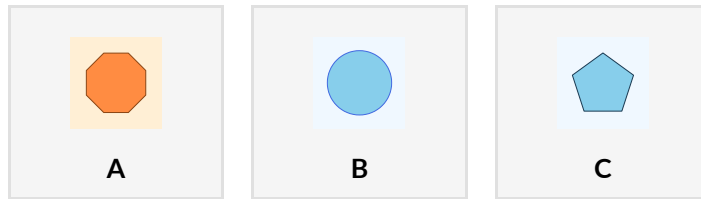
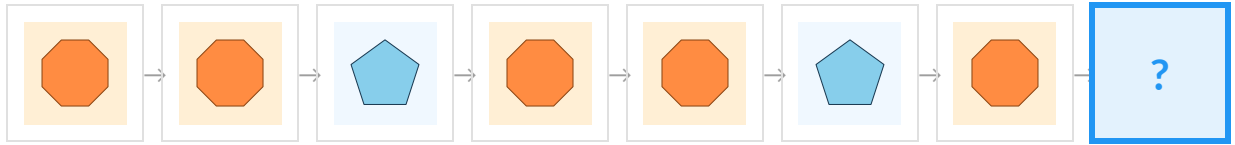


Hard Level Patterns

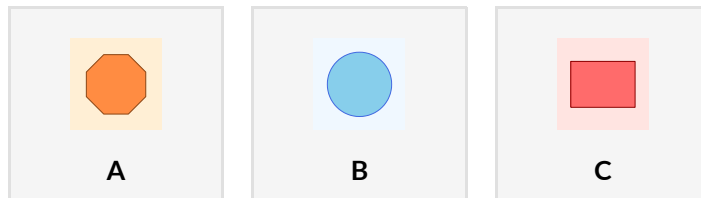
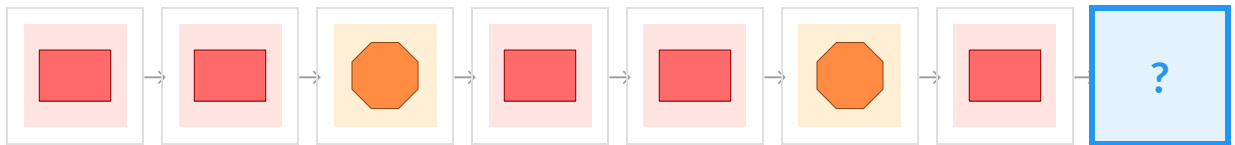
Difficulty: Hard

Complete each pattern by circling the correct shape:

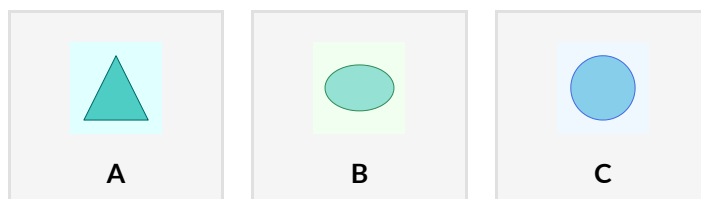
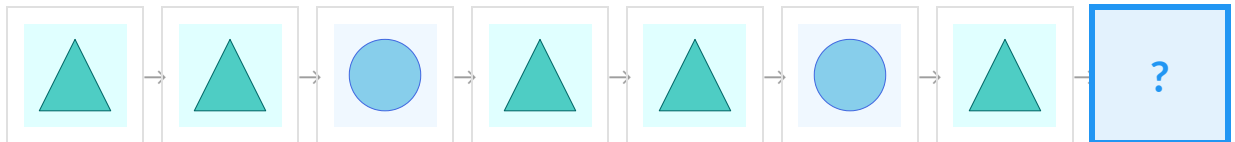
73.



74.



75.

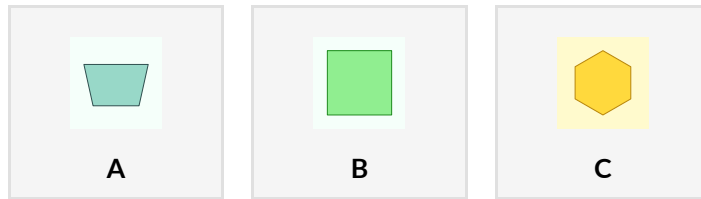
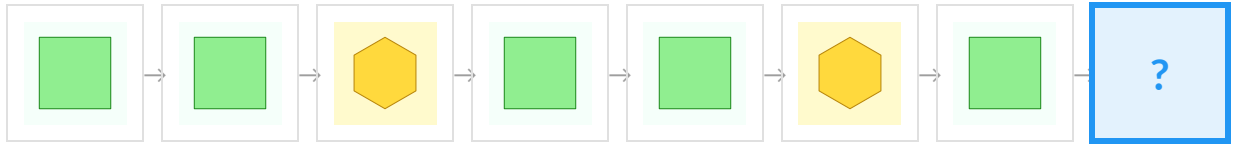


Hard Level Patterns

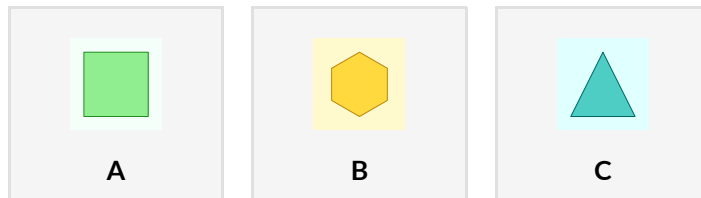
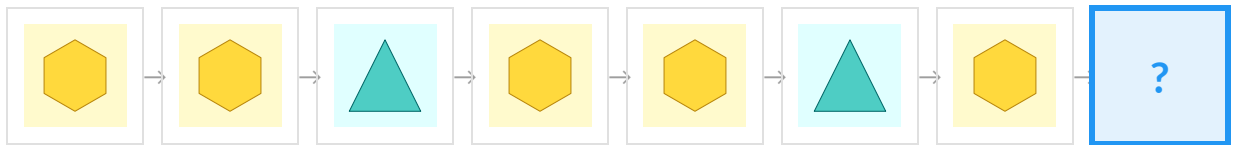
Difficulty: Hard

Complete each pattern by circling the correct shape:

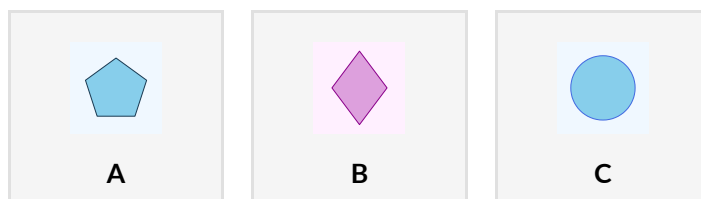
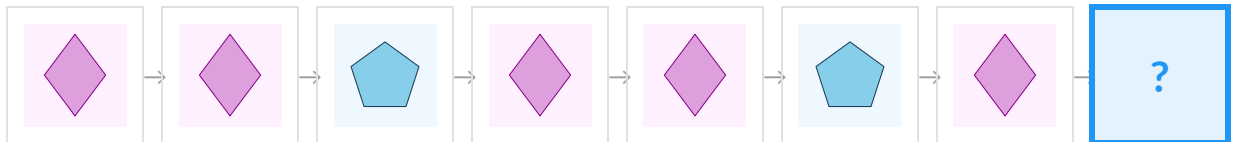
76.



77.



78.

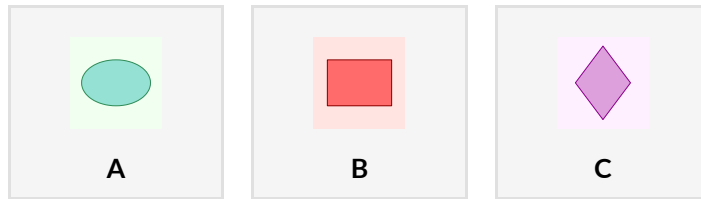
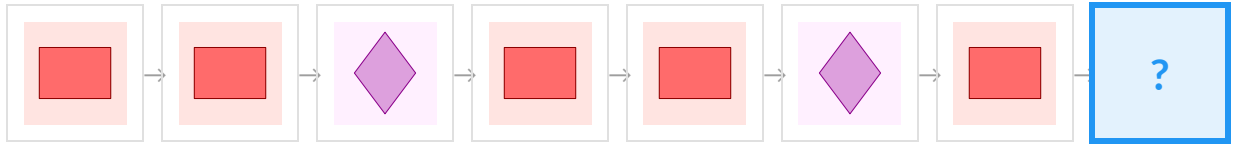


Hard Level Patterns

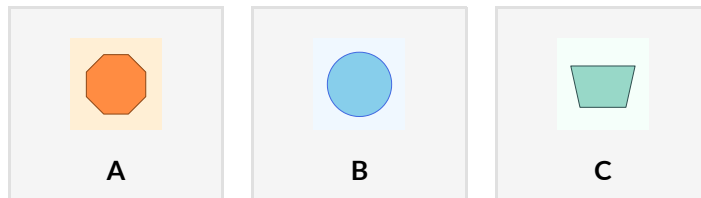
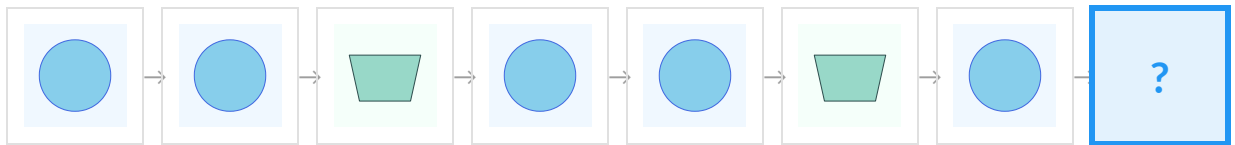
Difficulty: Hard

Complete each pattern by circling the correct shape:

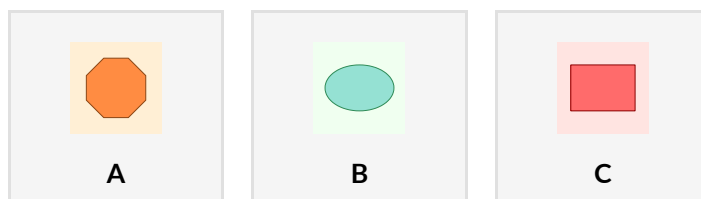
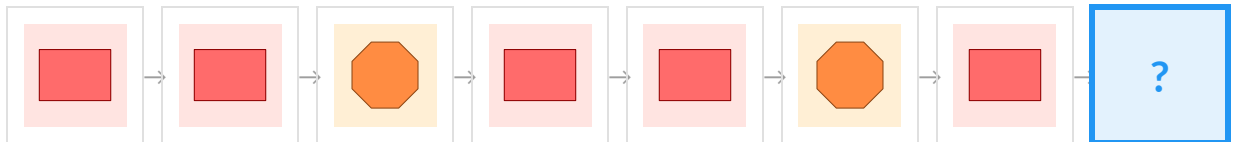
79.



80.



81.

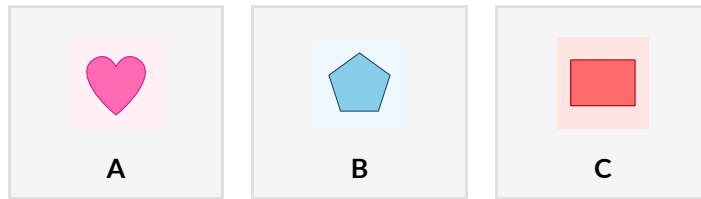
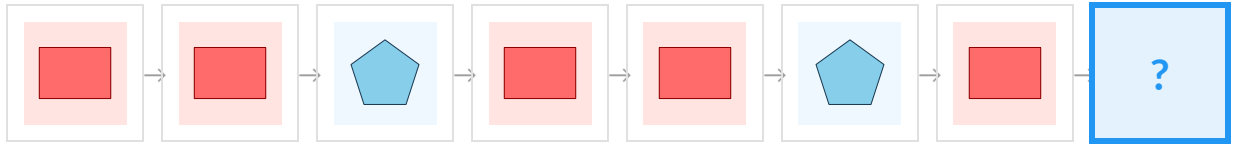


Hard Level Patterns

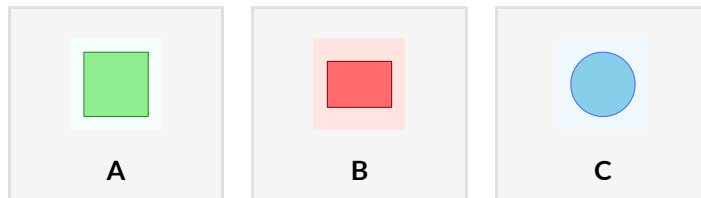
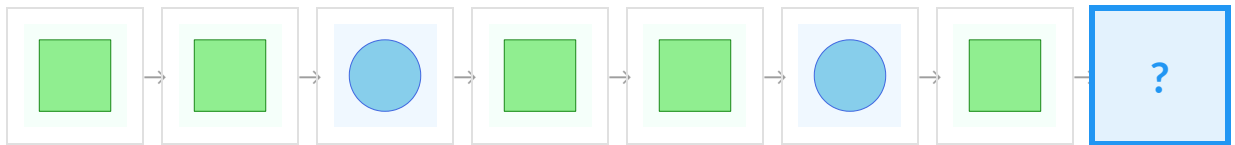
Difficulty: Hard

Complete each pattern by circling the correct shape:

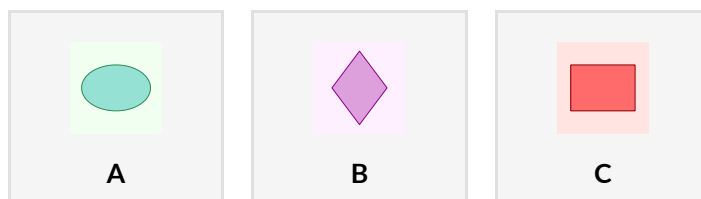
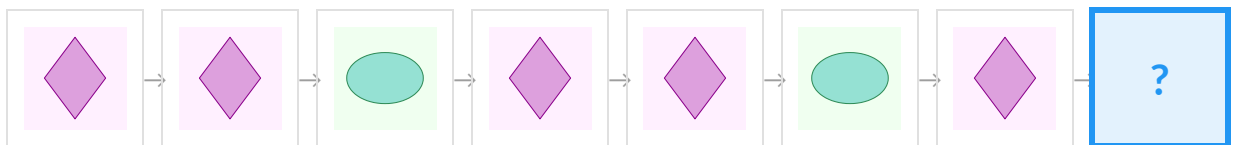
82.



83.



84.

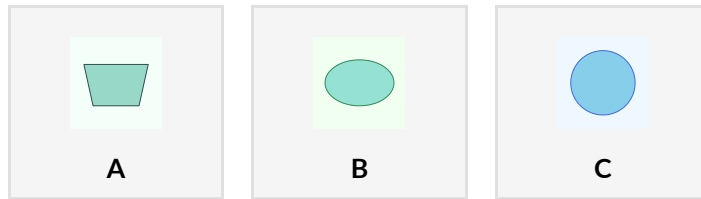
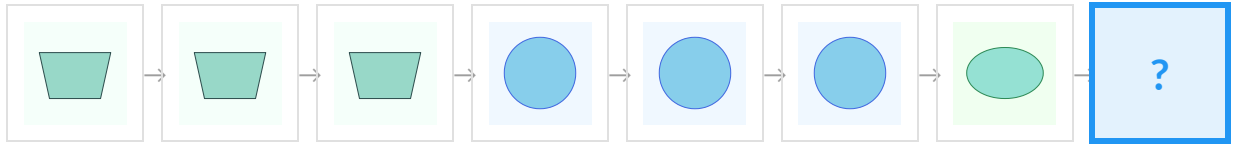


Hard Level Patterns

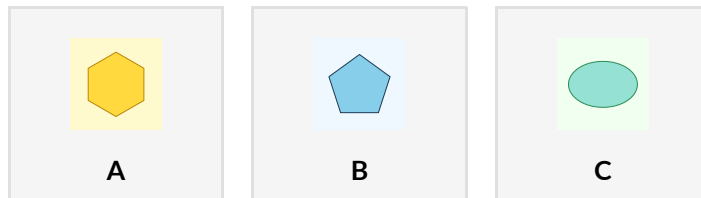
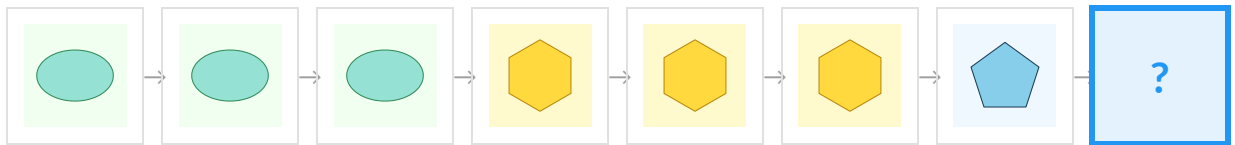
Difficulty: Hard

Complete each pattern by circling the correct shape:

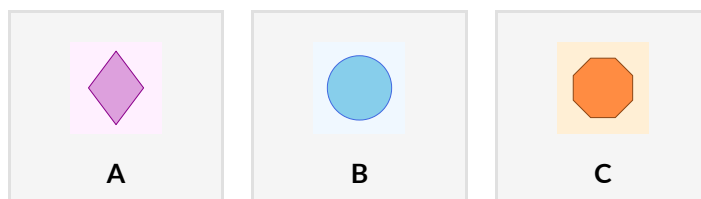
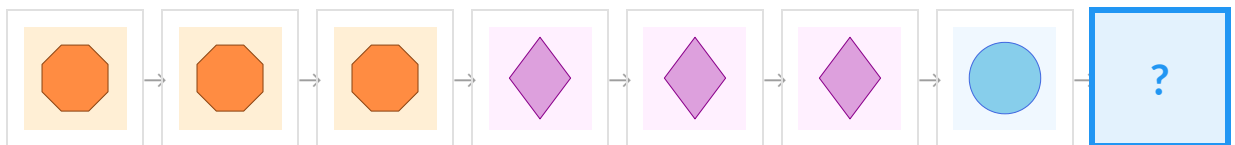
85.



86.



87.

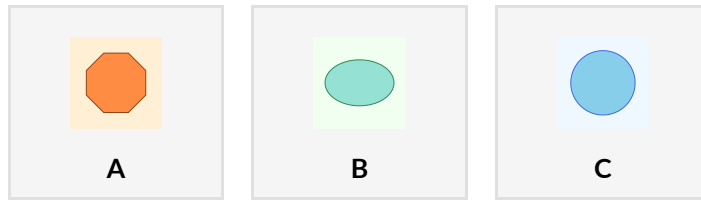
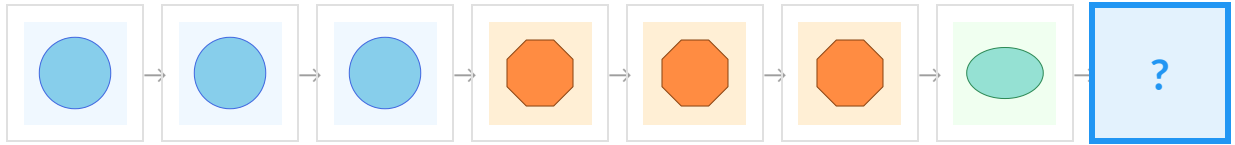


Hard Level Patterns

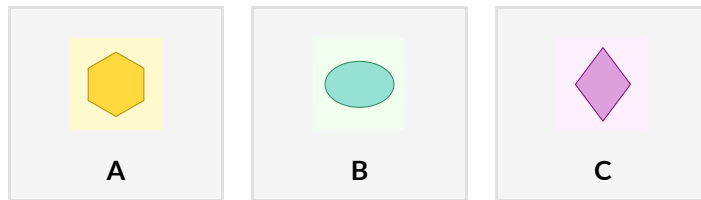
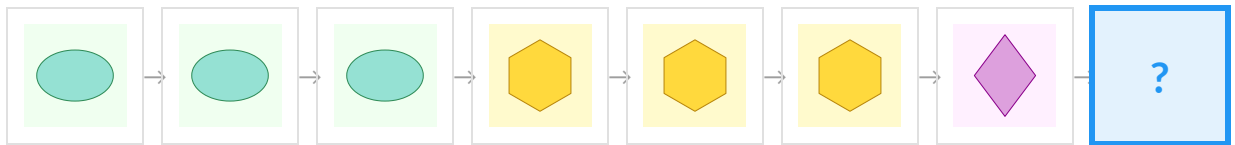
Difficulty: Hard

Complete each pattern by circling the correct shape:

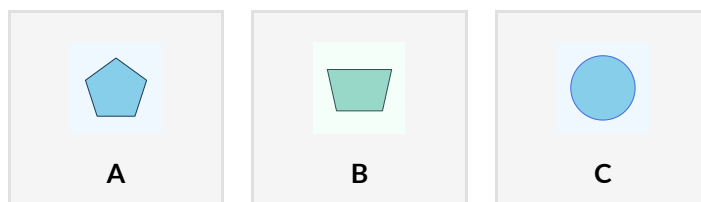
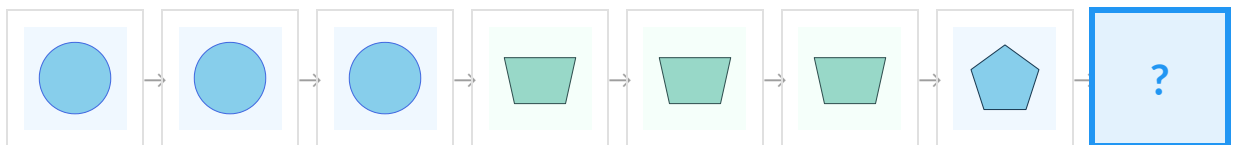
88.



89.



90.

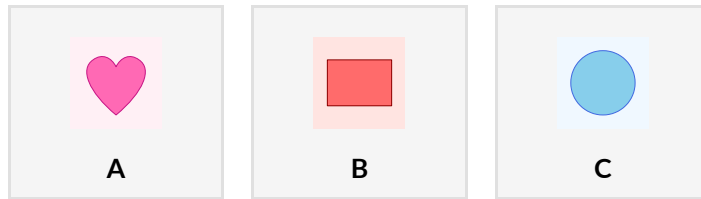
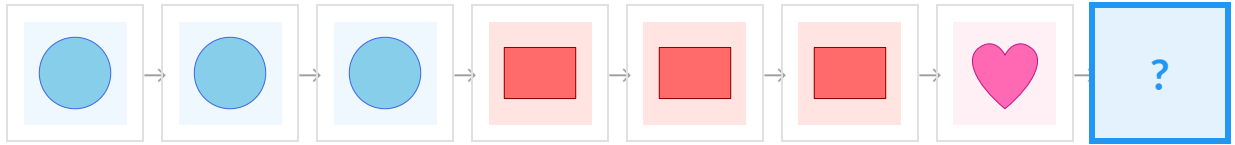


Hard Level Patterns

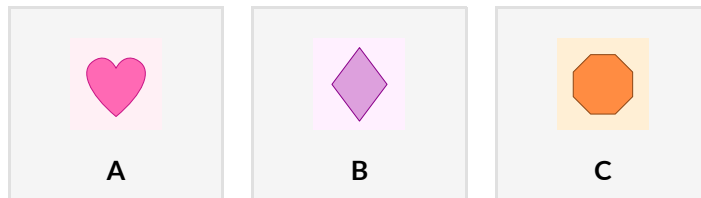
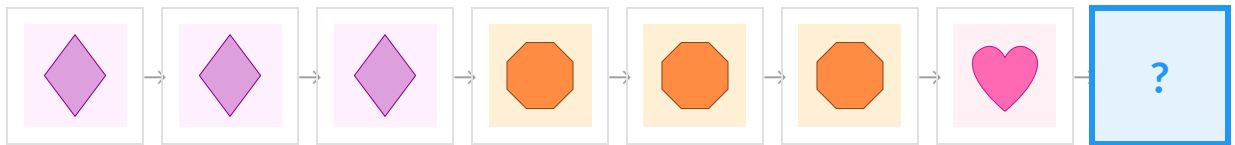
Difficulty: Hard

Complete each pattern by circling the correct shape:

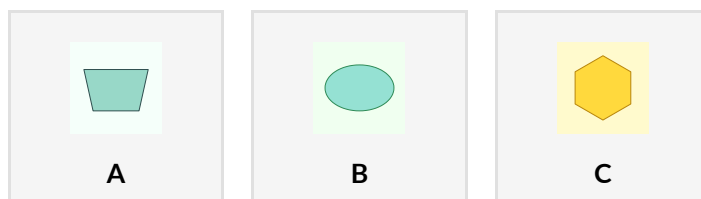
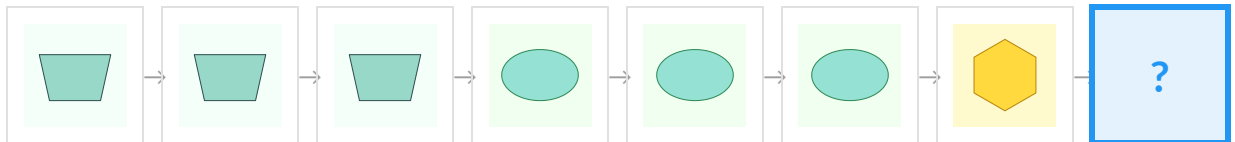
91.



92.



93.

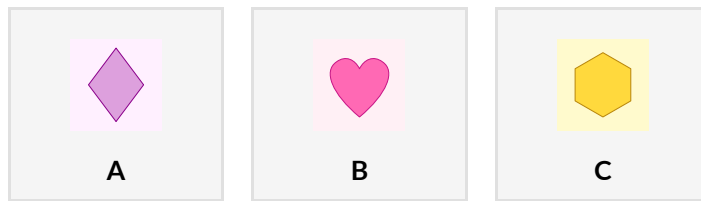
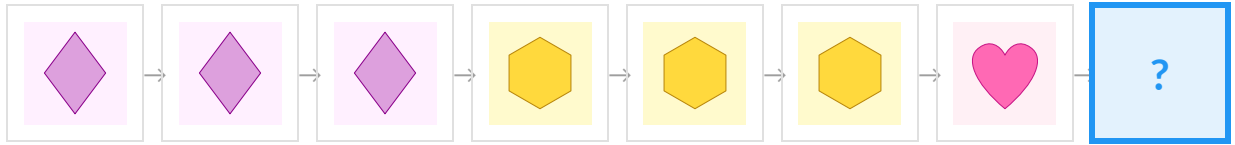


Hard Level Patterns

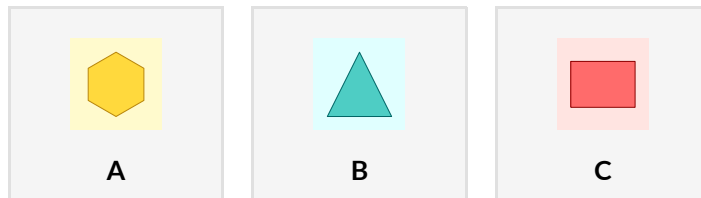
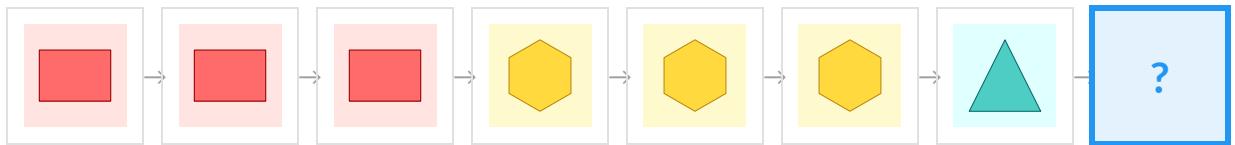
Difficulty: Hard

Complete each pattern by circling the correct shape:

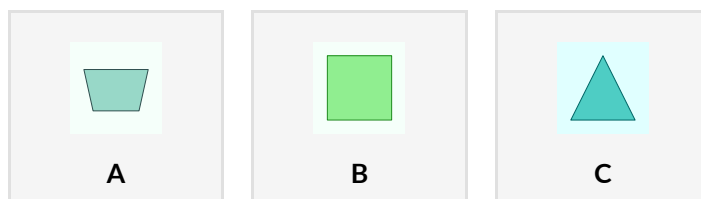
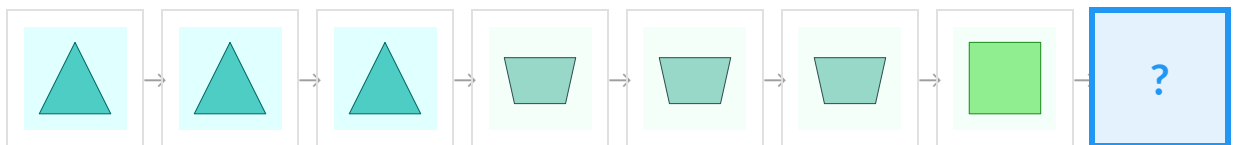
94.



95.



96.



Answer Key

#	Pattern Type	Answer	Shape
1	Alternating	B	Diamond
2	Alternating	B	Octagon
3	Alternating	B	Rectangle
4	Alternating	A	Triangle
5	Alternating	C	Oval
6	Alternating	A	Square
7	Alternating	C	Square
8	Alternating	B	Diamond
9	Alternating	C	Hexagon
10	Alternating	A	Pentagon
11	Alternating	A	Octagon
12	Alternating	C	Trapezium
13	ComplexRepeat	C	Rectangle
14	ComplexRepeat	A	Diamond
15	ComplexRepeat	A	Triangle
16	ComplexRepeat	A	Triangle
17	ComplexRepeat	B	Pentagon
18	ComplexRepeat	B	Pentagon
19	ComplexRepeat	B	Heart
20	ComplexRepeat	B	Rectangle
21	ComplexRepeat	A	Circle
22	ComplexRepeat	A	Hexagon
23	ComplexRepeat	C	Pentagon
24	ComplexRepeat	C	Heart
25	DoubleRepeat	B	Circle
26	DoubleRepeat	B	Trapezium
27	DoubleRepeat	C	Triangle
28	DoubleRepeat	B	Circle
29	DoubleRepeat	C	Oval
30	DoubleRepeat	A	Square
31	DoubleRepeat	B	Triangle
32	DoubleRepeat	B	Circle
33	DoubleRepeat	B	Square

Answer Key

34	DoubleRepeat	C	Square
35	DoubleRepeat	A	Triangle
36	DoubleRepeat	B	Diamond
37	Growing	A	Oval
38	Growing	B	Circle
39	Growing	B	Octagon
40	Growing	B	Square
41	Growing	C	Oval
42	Growing	B	Rectangle
43	Growing	A	Rectangle
44	Growing	A	Triangle
45	Growing	B	Octagon
46	Growing	B	Circle
47	Growing	A	Pentagon
48	Growing	A	Triangle
49	Mirror	B	Trapezium
50	Mirror	C	Oval
51	Mirror	A	Trapezium
52	Mirror	B	Triangle
53	Mirror	C	Rectangle
54	Mirror	A	Trapezium
55	Mirror	A	Circle
56	Mirror	B	Octagon
57	Mirror	B	Trapezium
58	Mirror	C	Square
59	Mirror	A	Square
60	Mirror	B	Rectangle
61	Sequence	B	Square
62	Sequence	C	Diamond
63	Sequence	B	Triangle
64	Sequence	B	Hexagon
65	Sequence	A	Oval
66	Sequence	C	Octagon
67	Sequence	B	Trapezium
68	Sequence	B	Octagon

Answer Key

69	Sequence	B	Pentagon
70	Sequence	A	Trapezium
71	Sequence	B	Diamond
72	Sequence	A	Pentagon
73	Stutter	A	Octagon
74	Stutter	C	Rectangle
75	Stutter	A	Triangle
76	Stutter	B	Square
77	Stutter	B	Hexagon
78	Stutter	B	Diamond
79	Stutter	B	Rectangle
80	Stutter	B	Circle
81	Stutter	C	Rectangle
82	Stutter	C	Rectangle
83	Stutter	A	Square
84	Stutter	B	Diamond
85	TripleRepeat	B	Oval
86	TripleRepeat	B	Pentagon
87	TripleRepeat	B	Circle
88	TripleRepeat	B	Oval
89	TripleRepeat	C	Diamond
90	TripleRepeat	A	Pentagon
91	TripleRepeat	A	Heart
92	TripleRepeat	A	Heart
93	TripleRepeat	C	Hexagon
94	TripleRepeat	B	Heart
95	TripleRepeat	B	Triangle
96	TripleRepeat	B	Square