

# Medium Level Patterns

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

96 Puzzles

Difficulty: Medium



## 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.

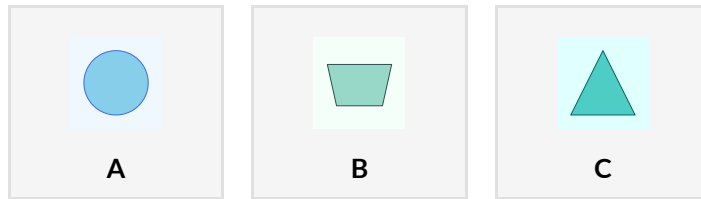
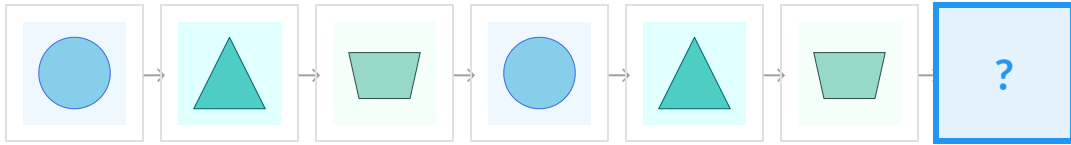
<sup>1</sup> Aligned with early mathematics curriculum focusing on patterns and algebraic thinking.

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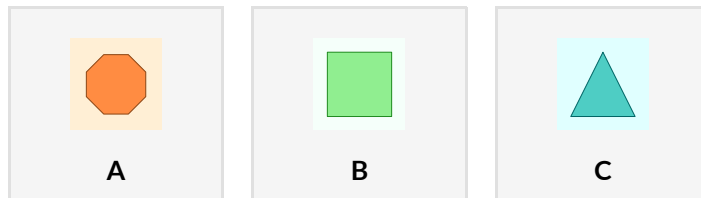
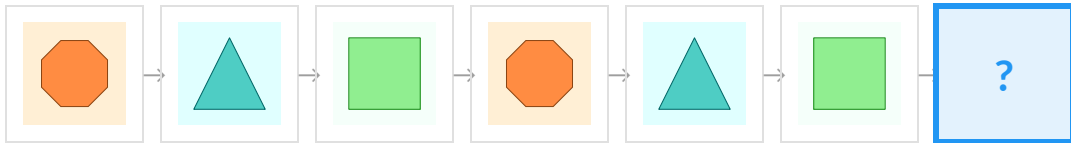
Difficulty: Medium

Complete each pattern by circling the correct shape:

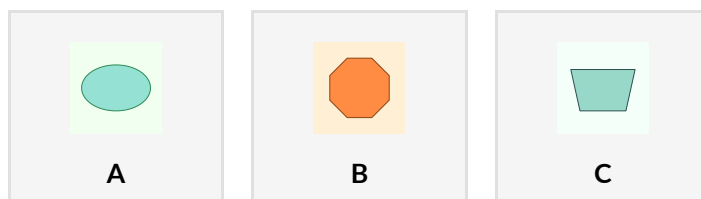
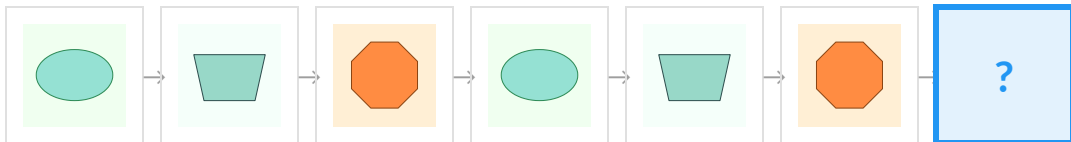
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2.



3.

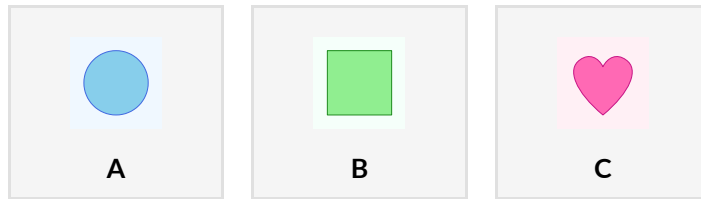
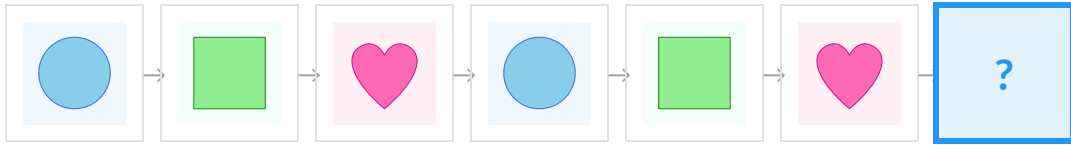


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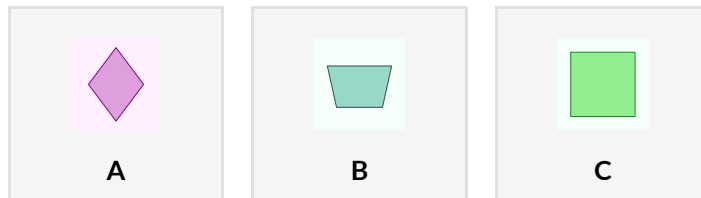
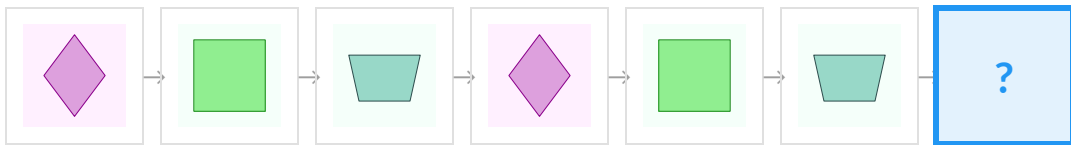
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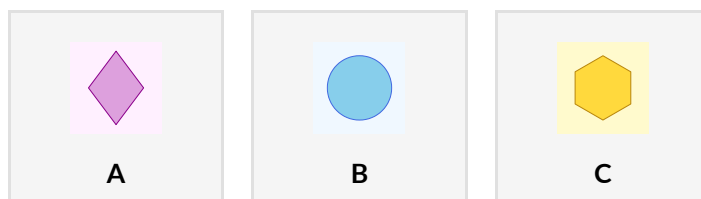
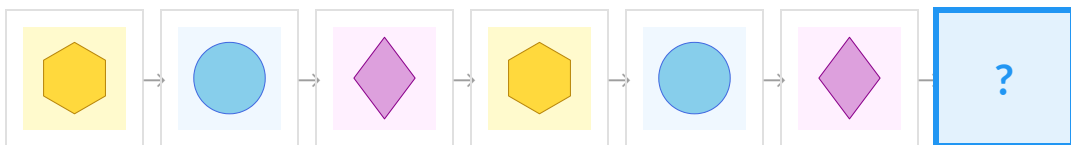
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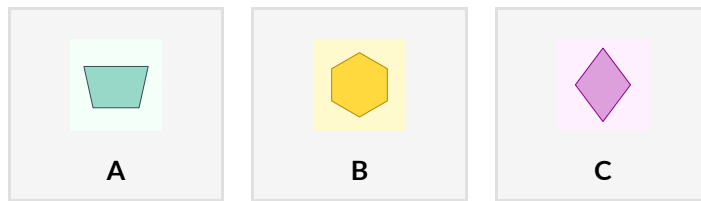
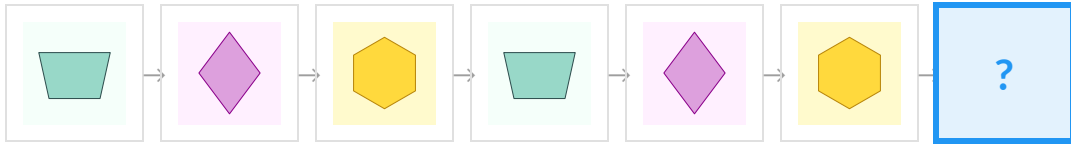


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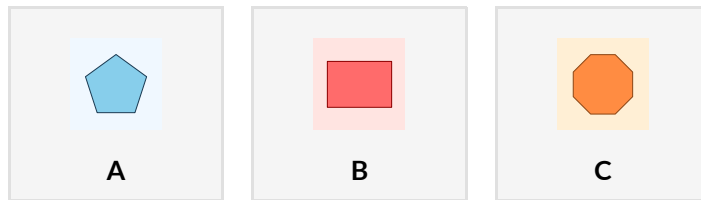
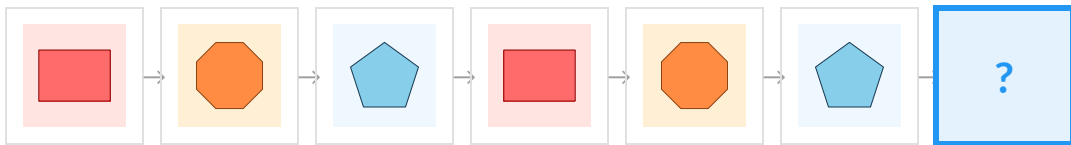
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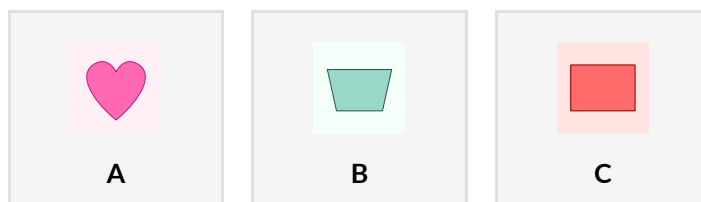
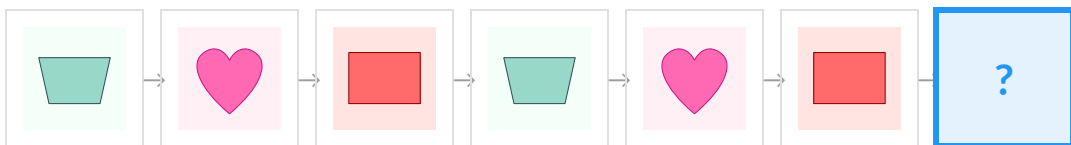
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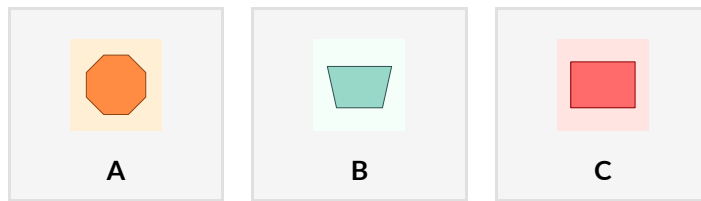
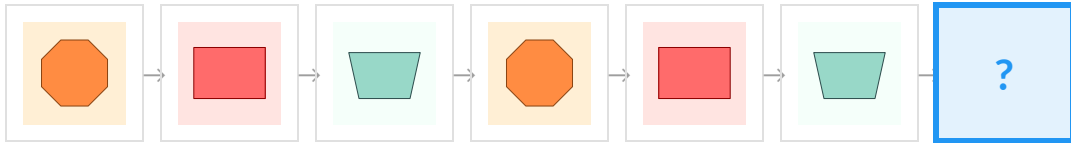


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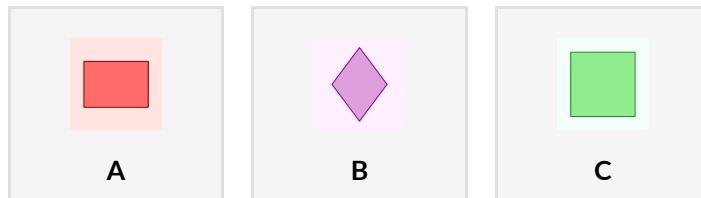
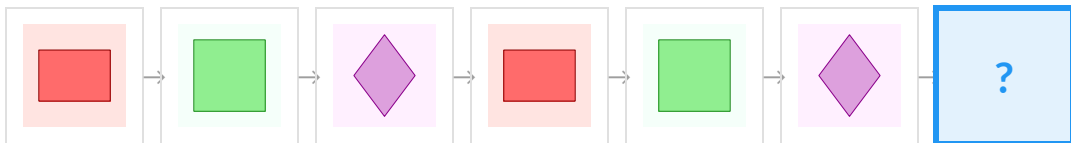
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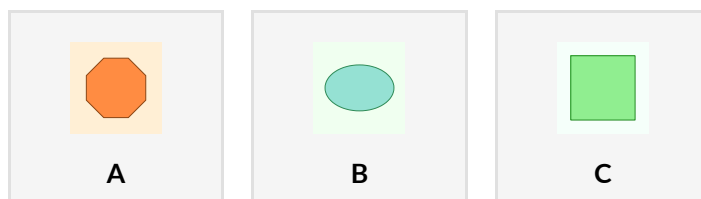
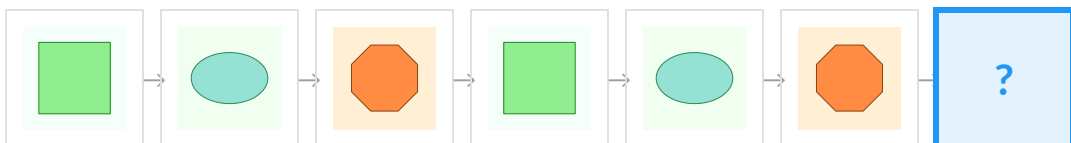
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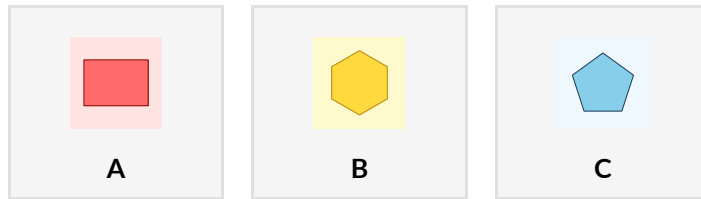
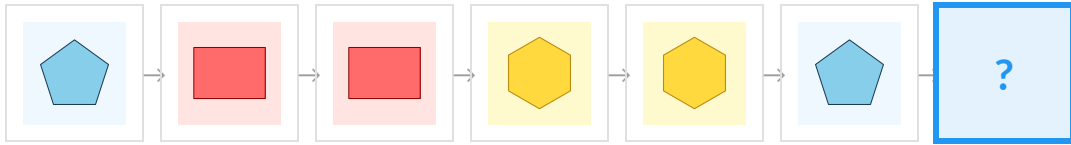


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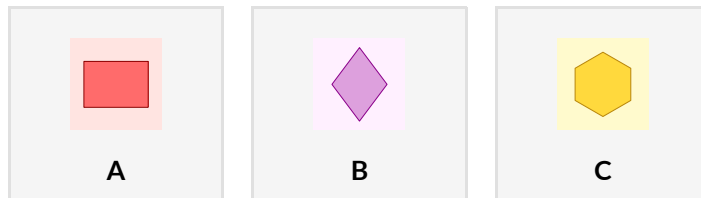
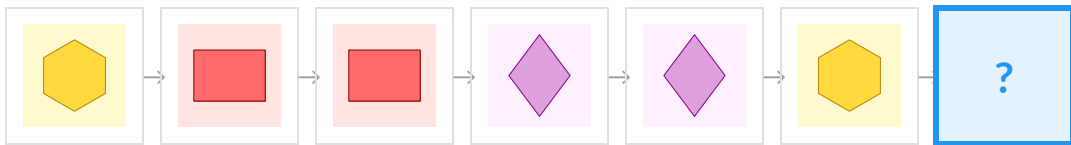
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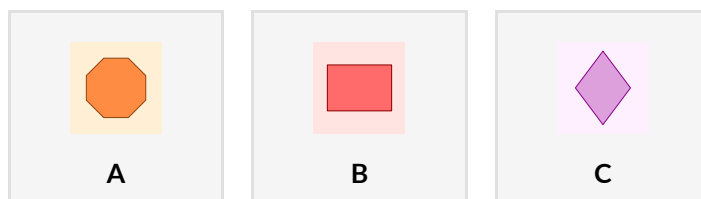
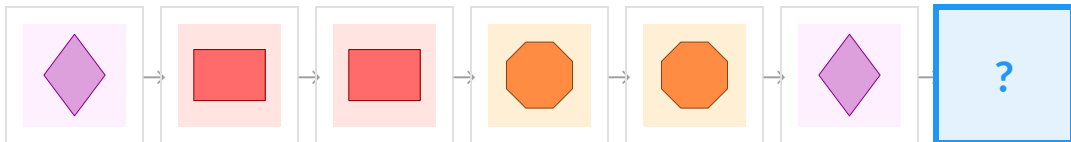
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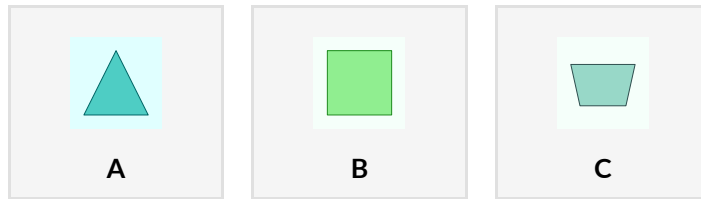
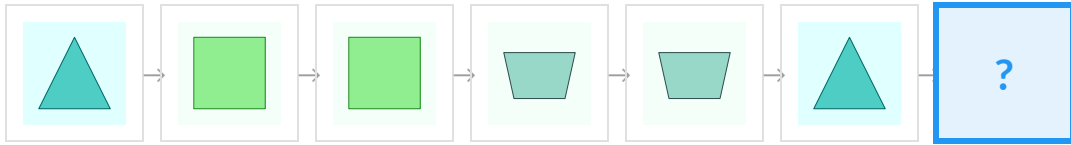


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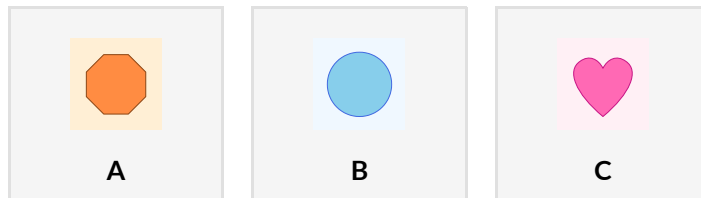
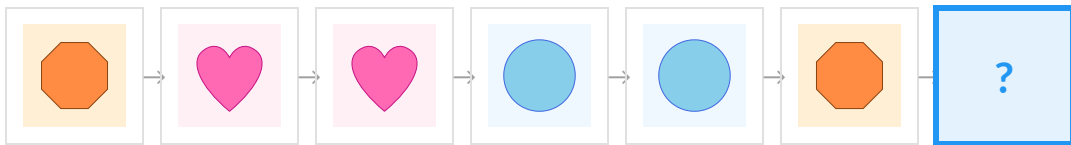
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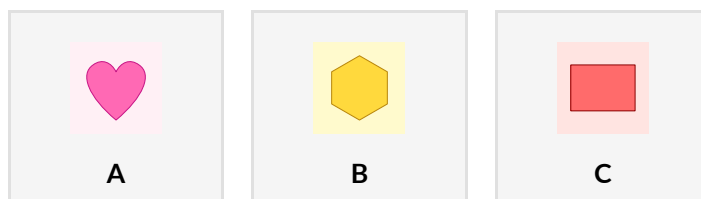
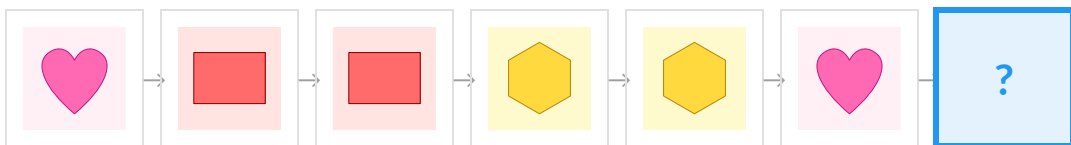
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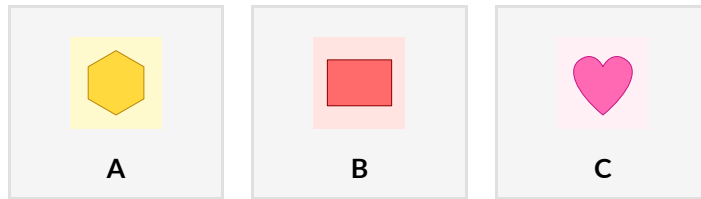
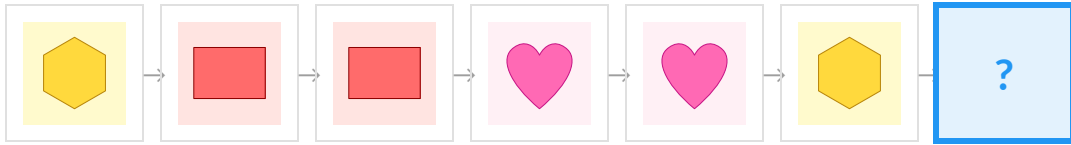


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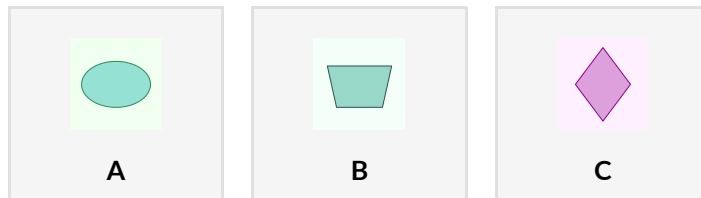
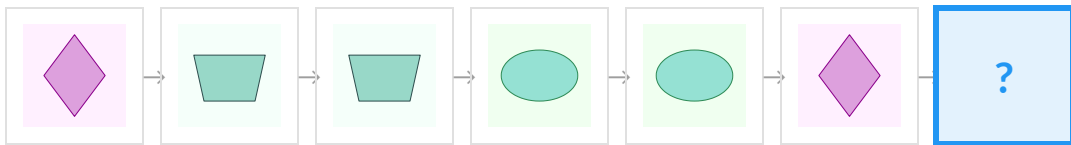
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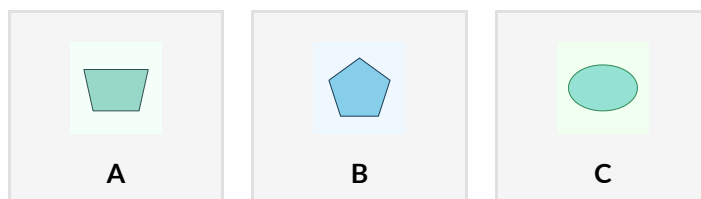
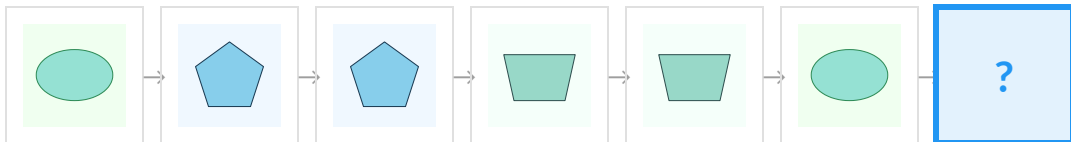
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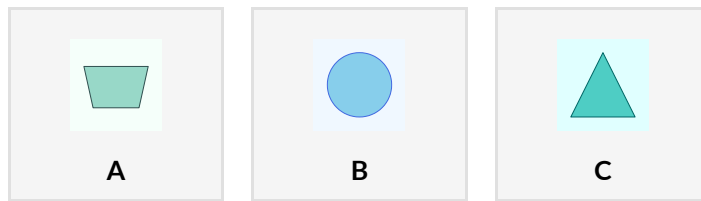
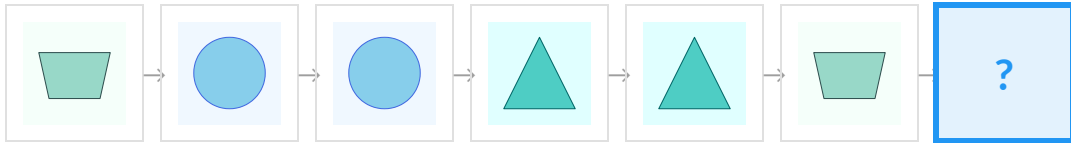


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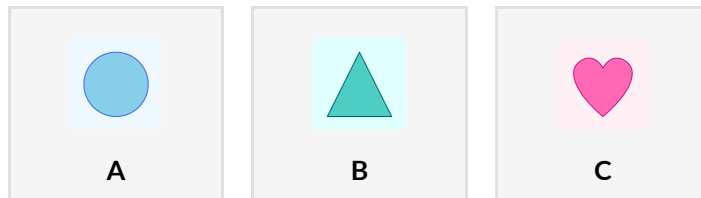
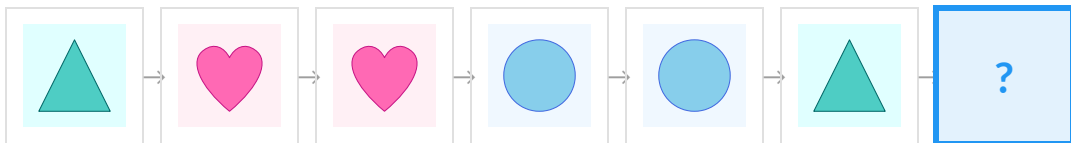
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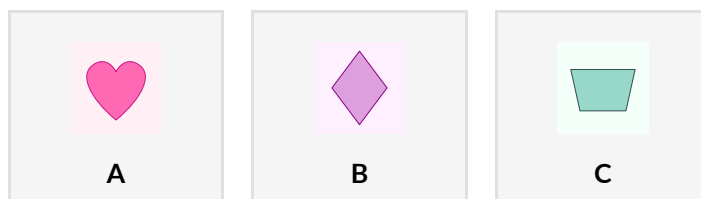
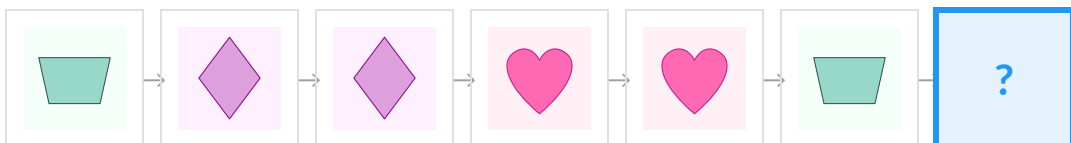
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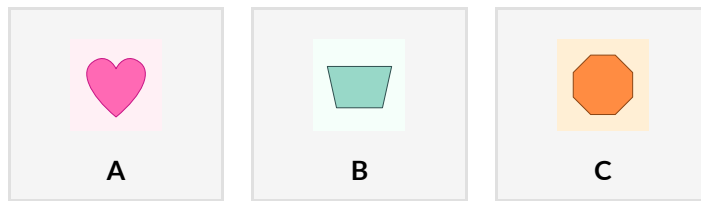
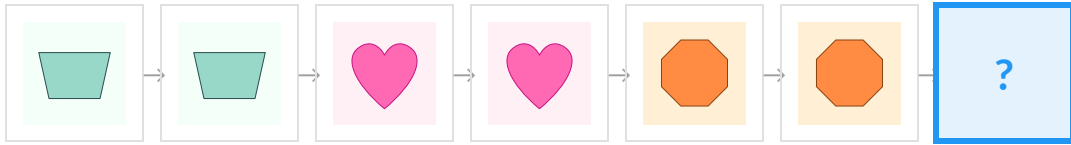


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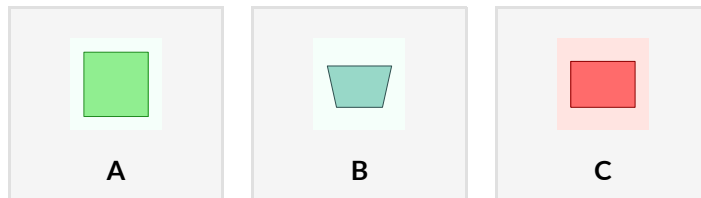
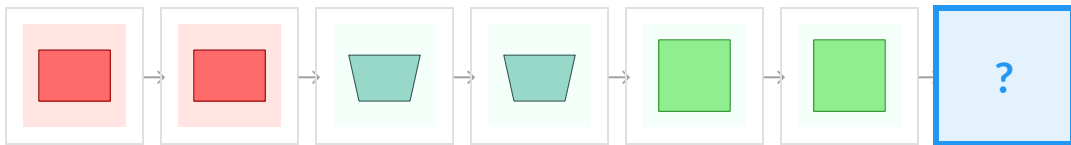
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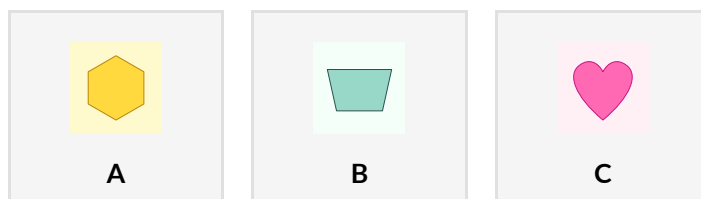
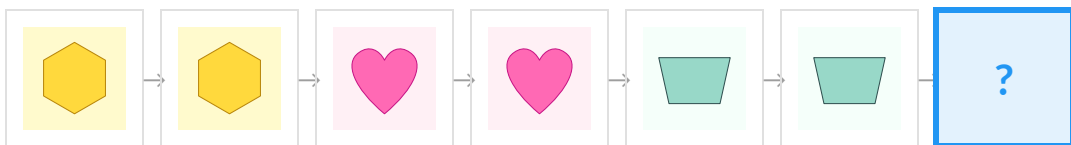
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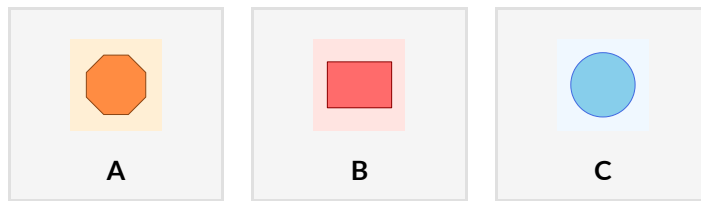
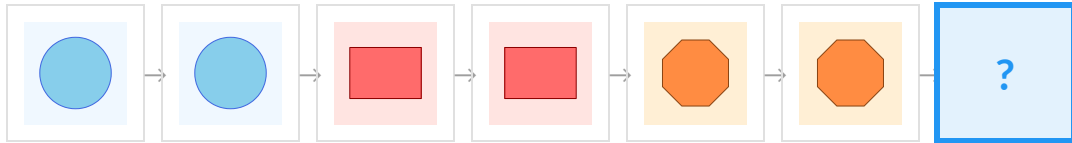


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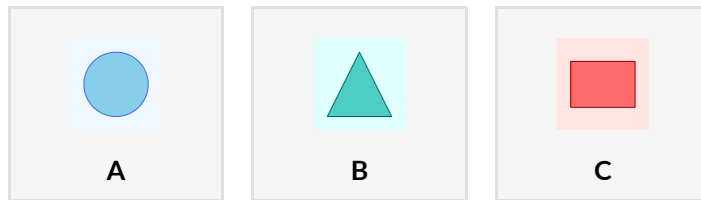
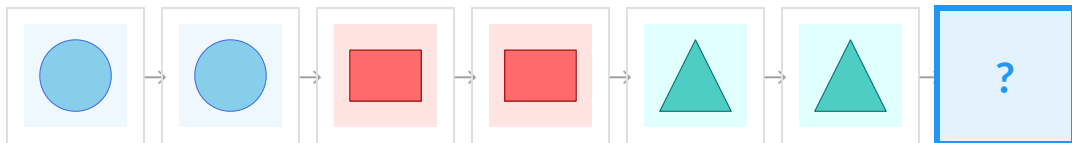
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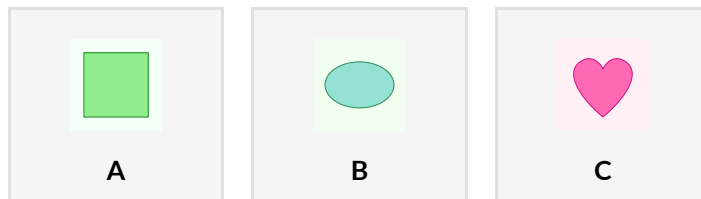
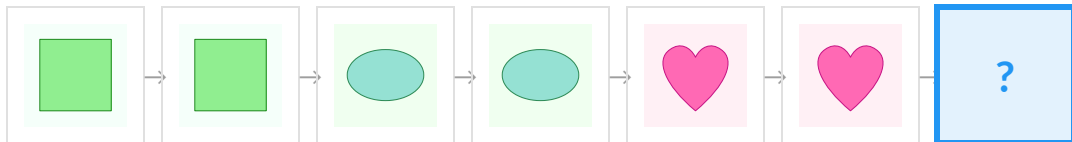
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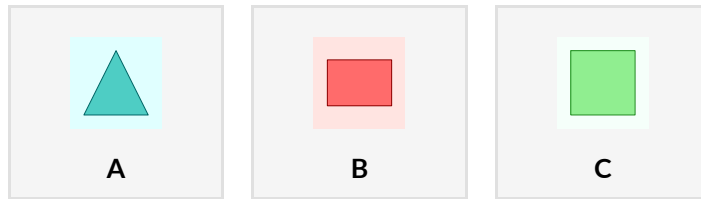
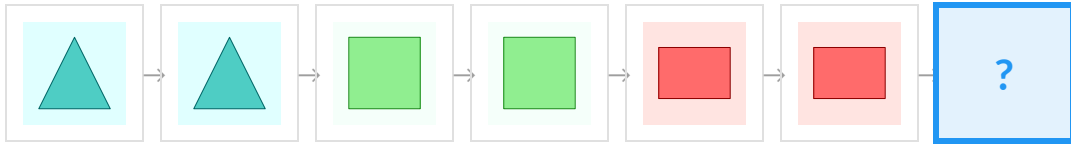


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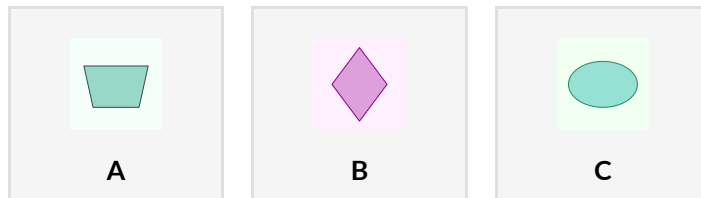
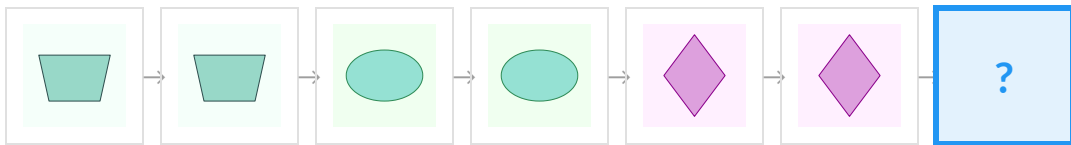
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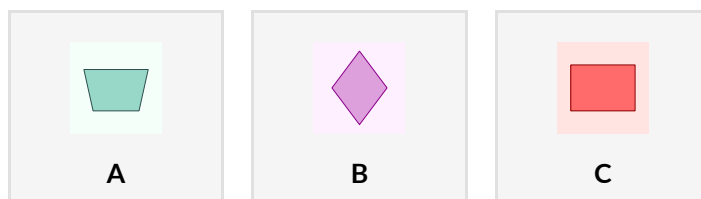
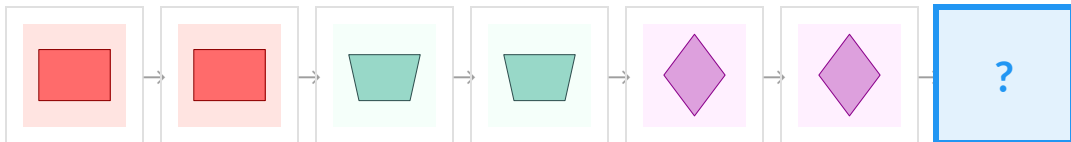
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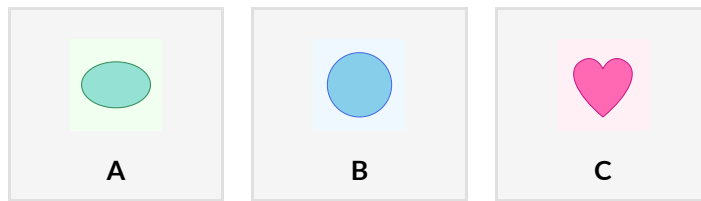
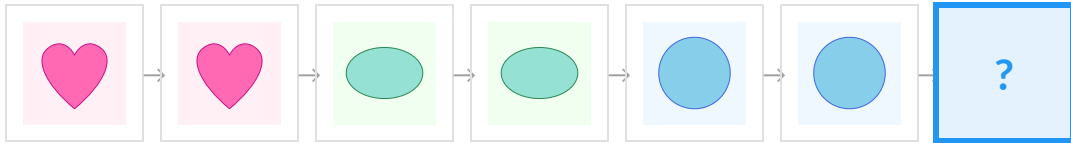


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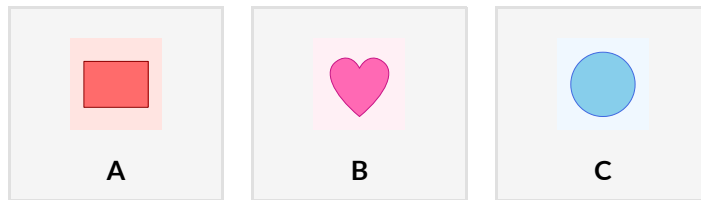
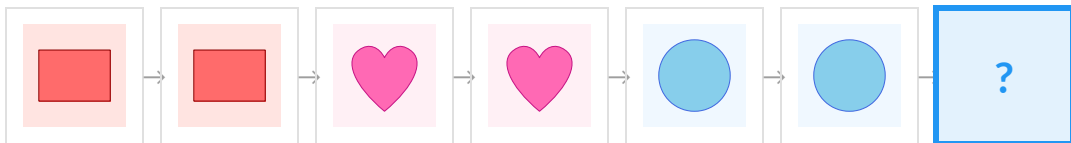
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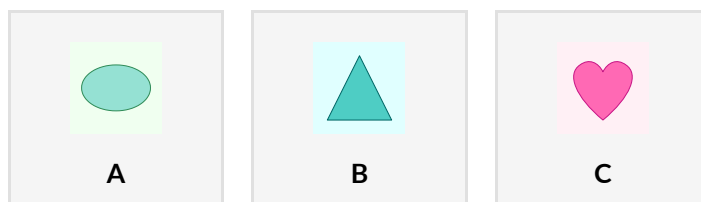
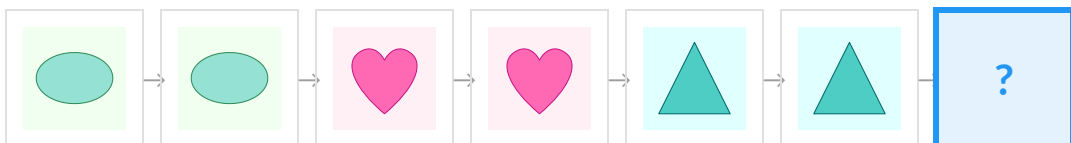
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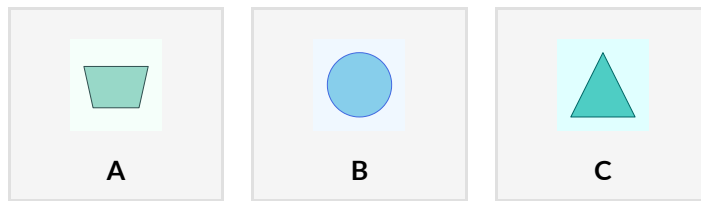
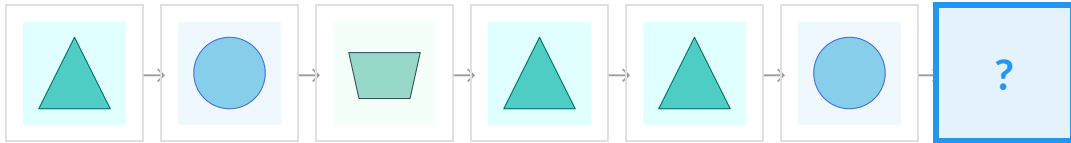


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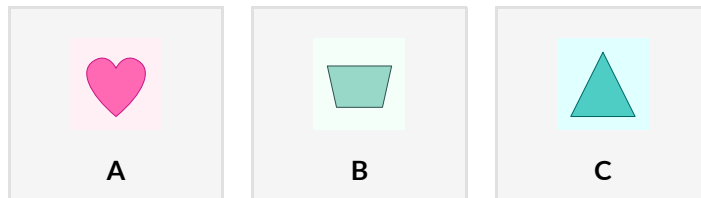
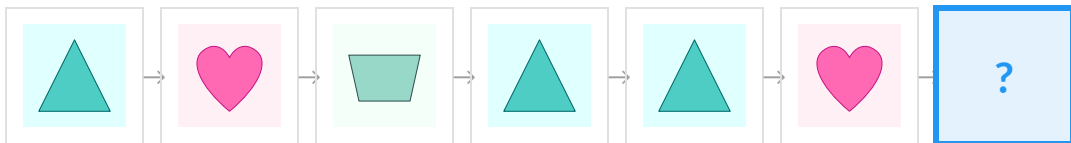
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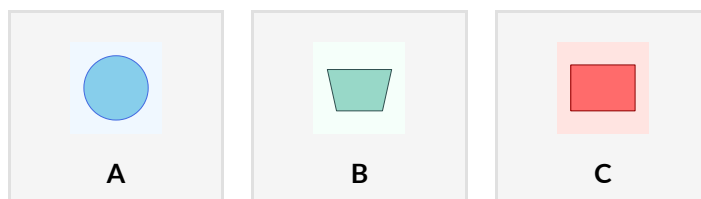
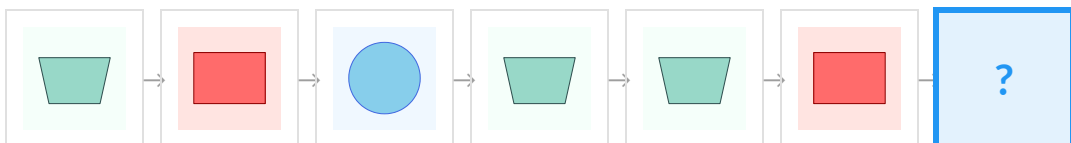
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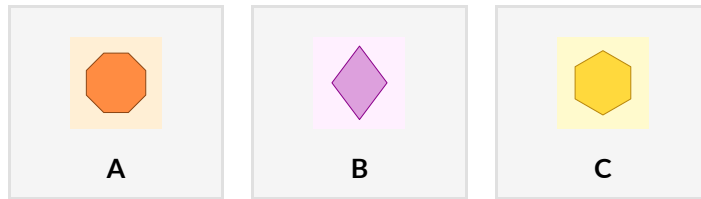
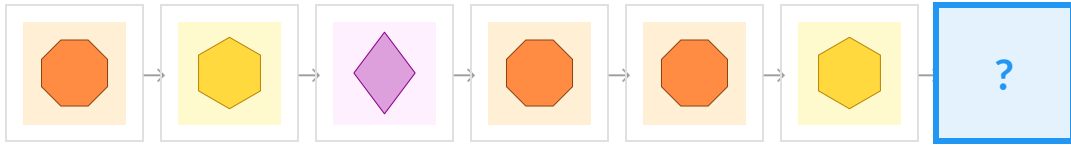


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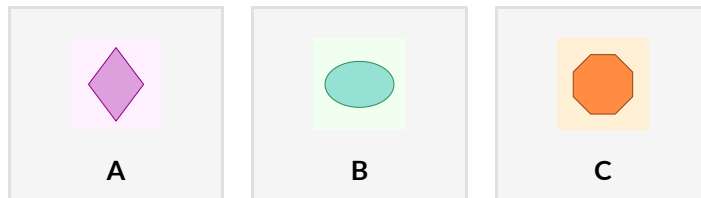
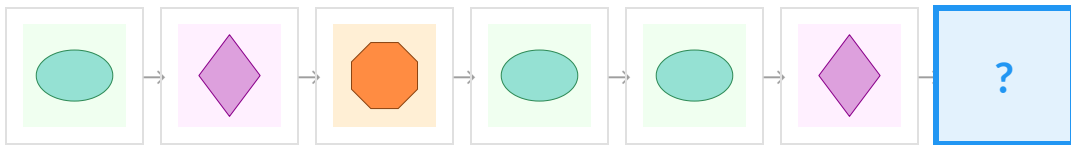
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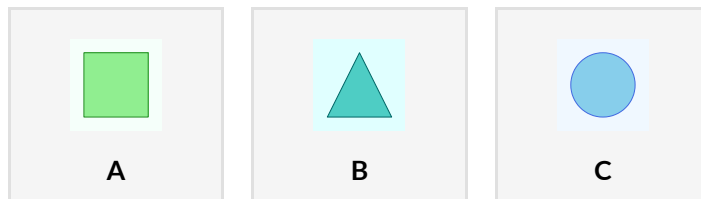
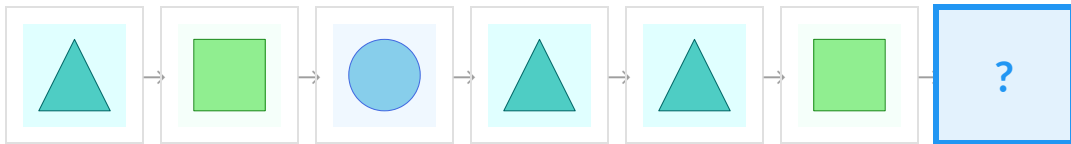
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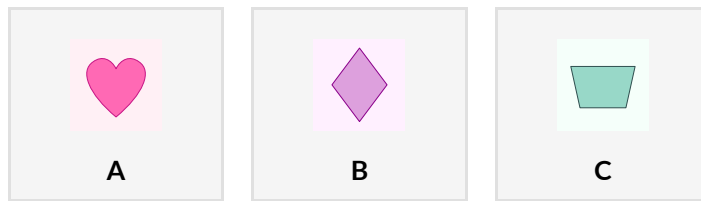
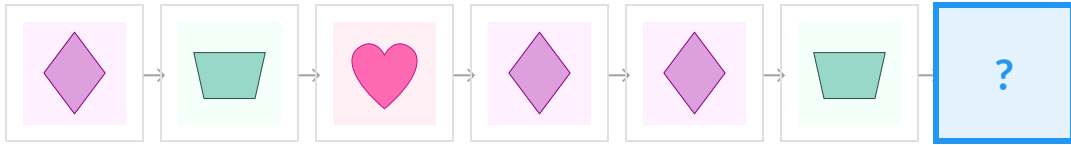


# Medium Level Patterns

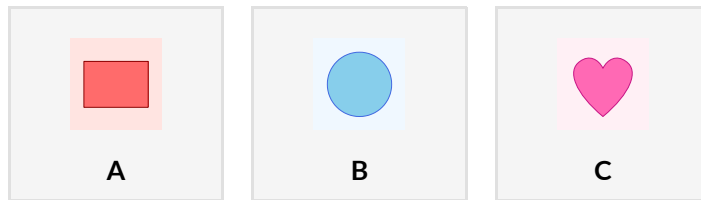
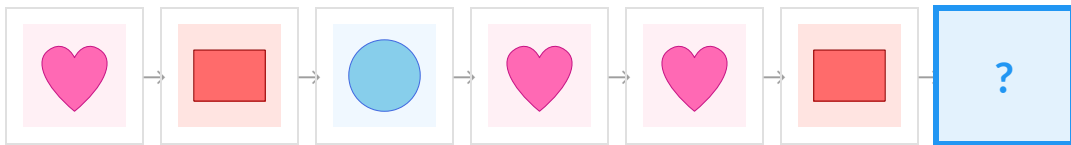
Difficulty: Medium

Complete each pattern by circling the correct shape:

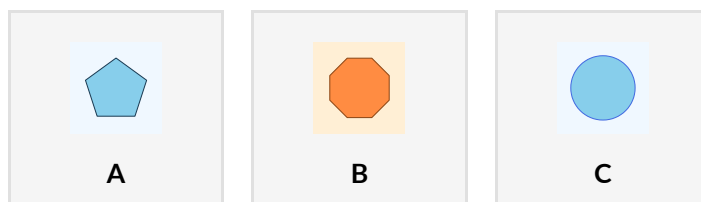
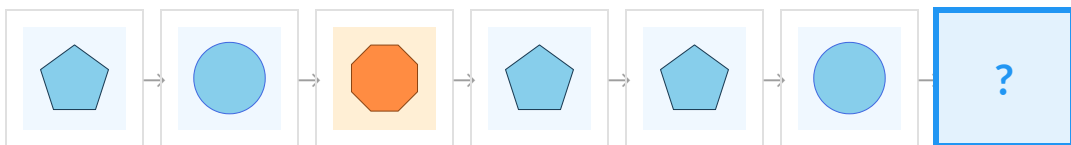
43.



44.



45.

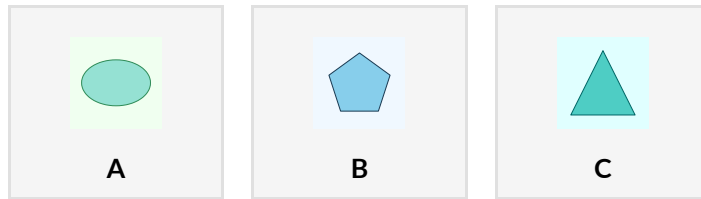
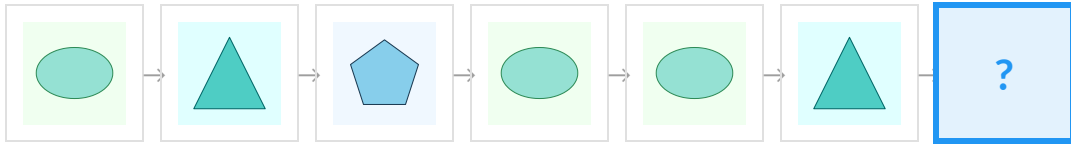


# Medium Level Patterns

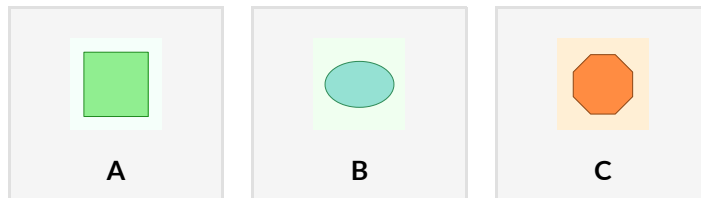
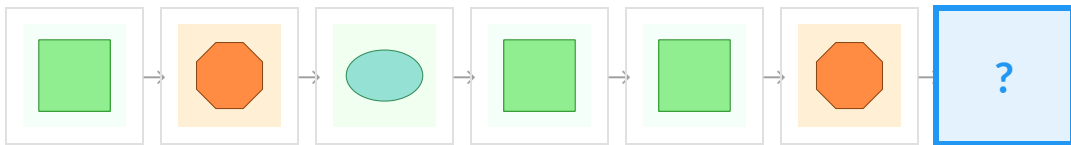
Difficulty: Medium

Complete each pattern by circling the correct shape:

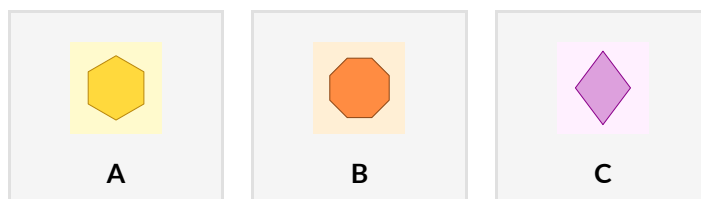
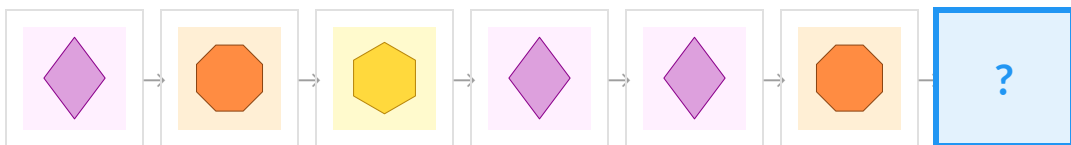
46.



47.



48.

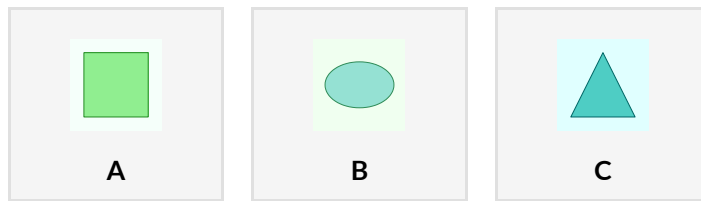
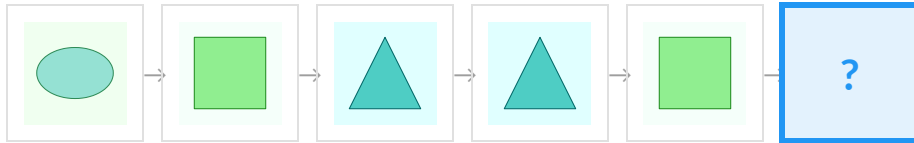


# Medium Level Patterns

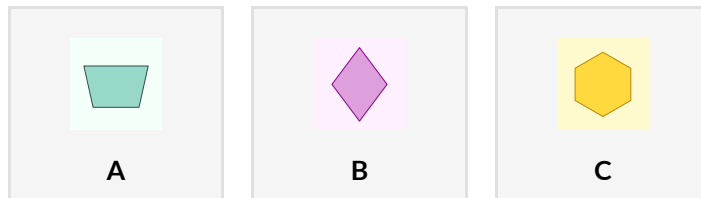
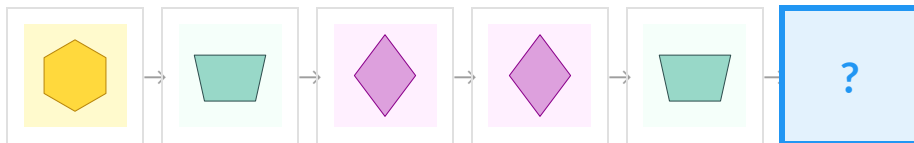
Difficulty: Medium

Complete each pattern by circling the correct shape:

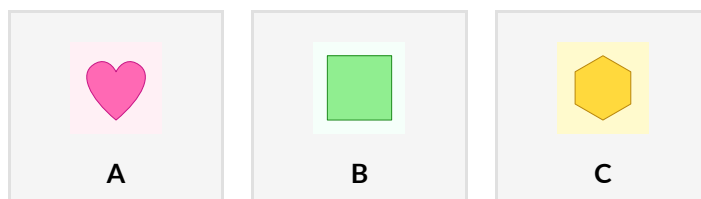
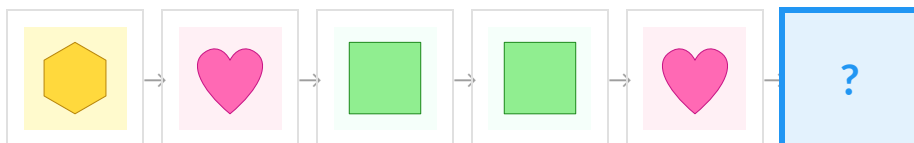
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51.

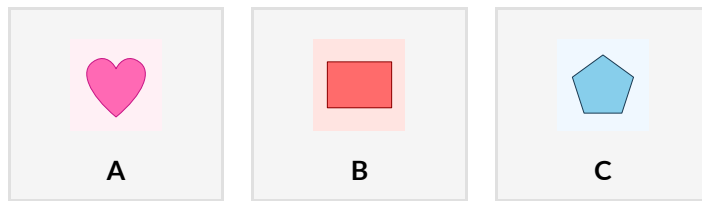
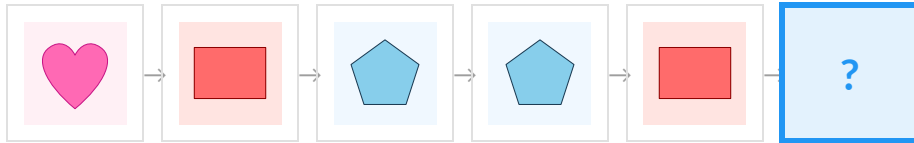


# Medium Level Patterns

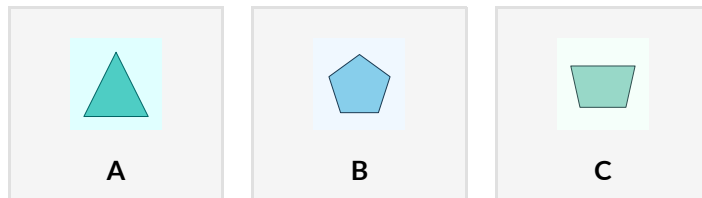
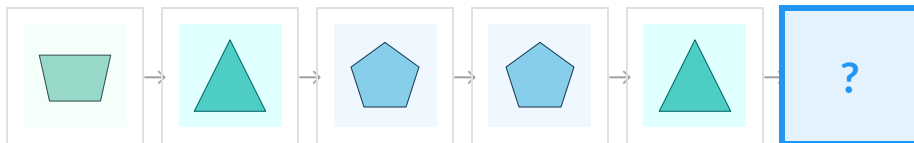
Difficulty: Medium

Complete each pattern by circling the correct shape:

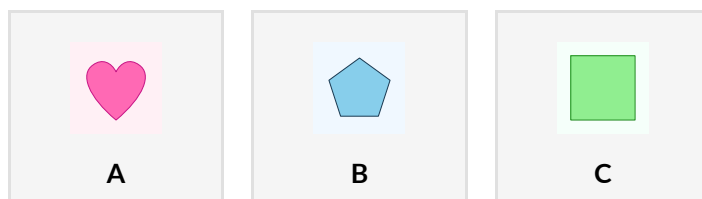
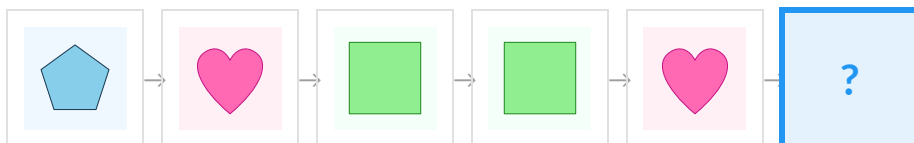
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54.

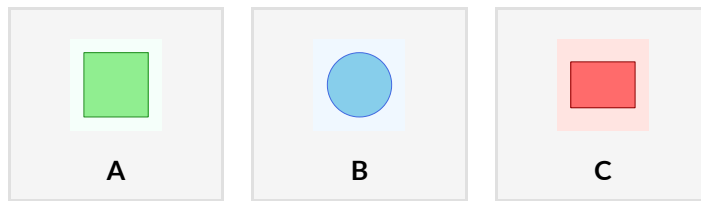
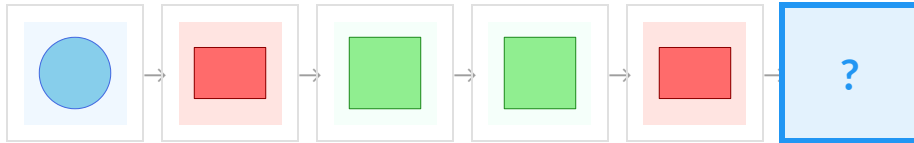


# Medium Level Patterns

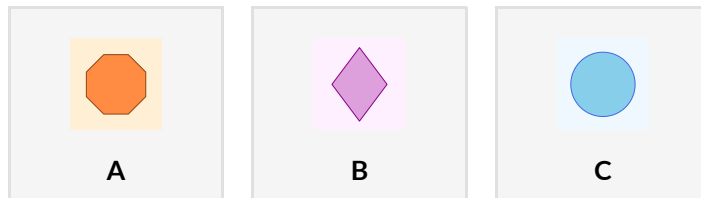
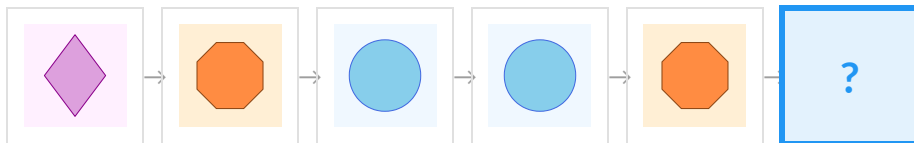
Difficulty: Medium

Complete each pattern by circling the correct shape:

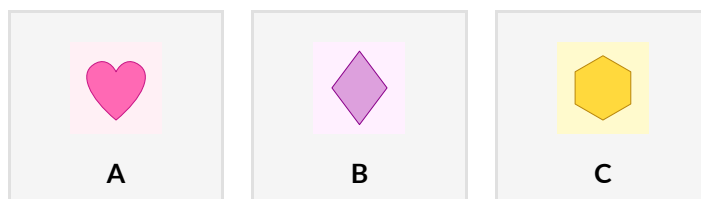
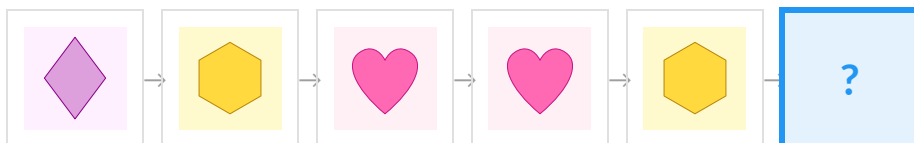
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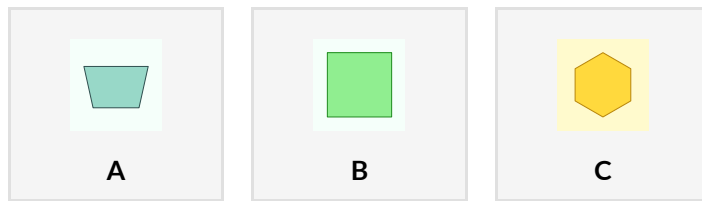
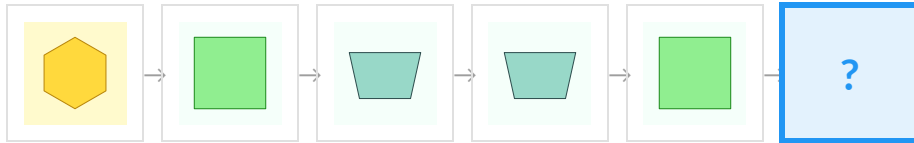


# Medium Level Patterns

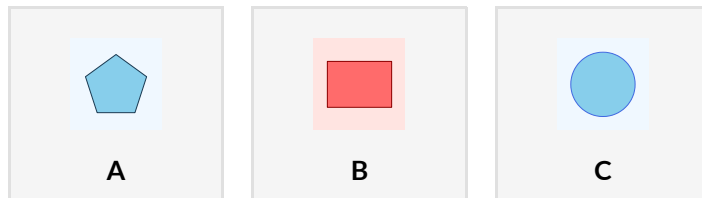
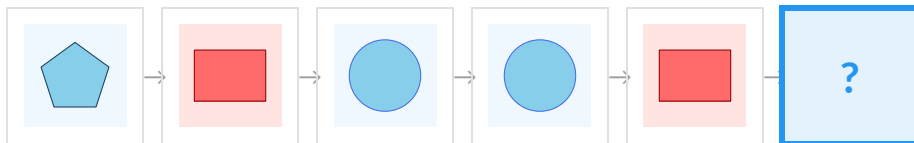
Difficulty: Medium

Complete each pattern by circling the correct shape:

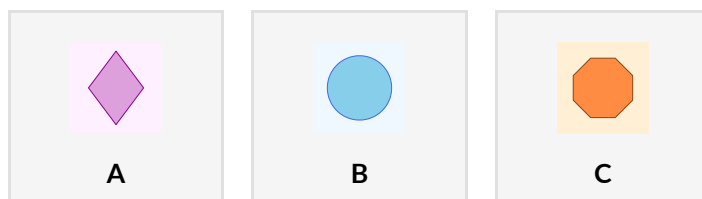
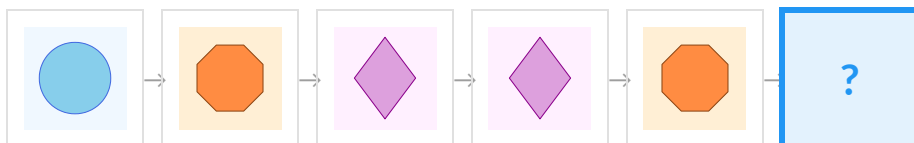
58.



59.



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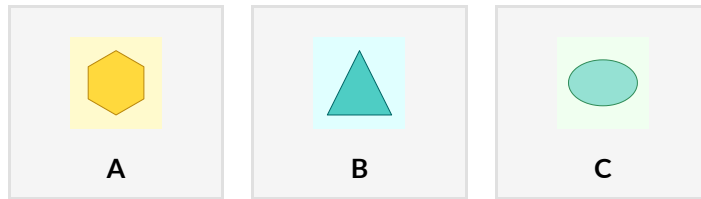
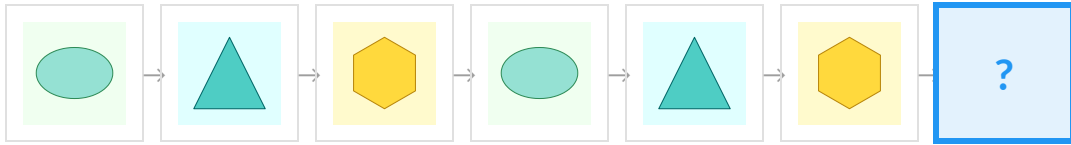


# Medium Level Patterns

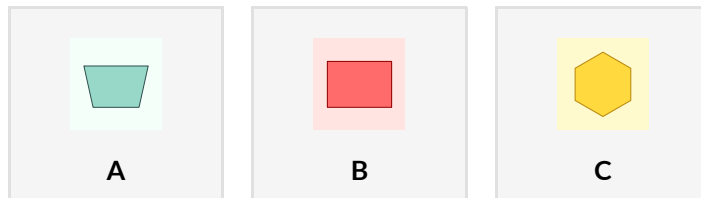
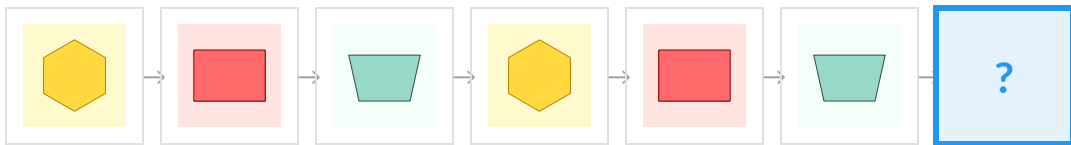
Difficulty: Medium

Complete each pattern by circling the correct shape:

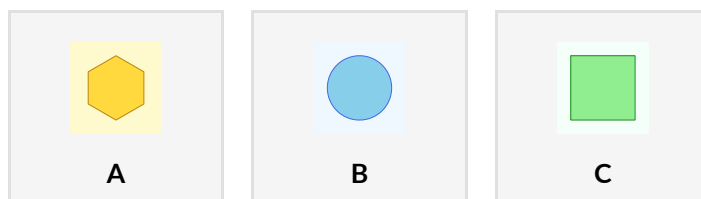
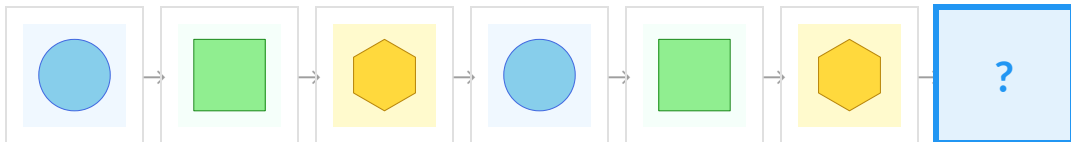
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62.



63.

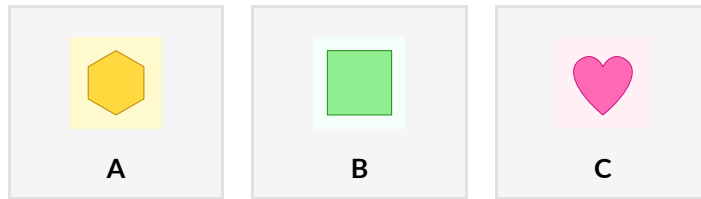
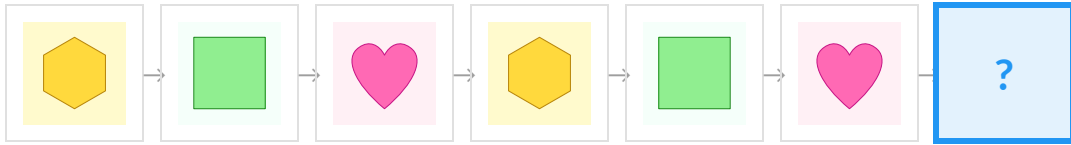


# Medium Level Patterns

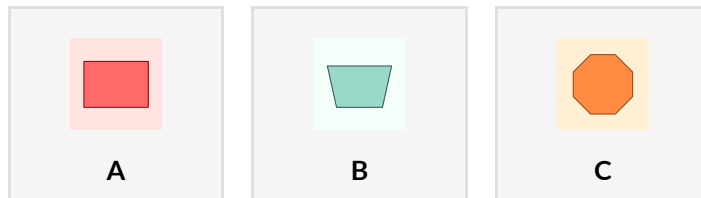
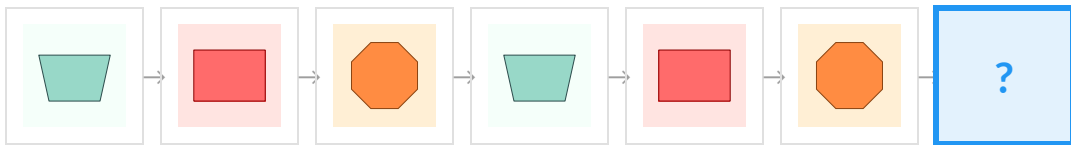
Difficulty: Medium

Complete each pattern by circling the correct shape:

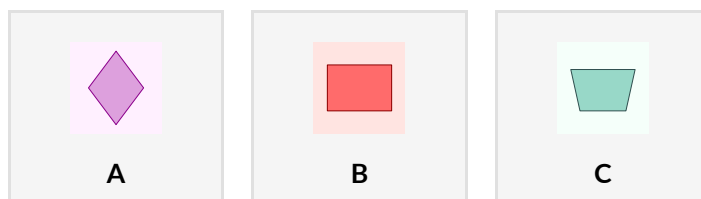
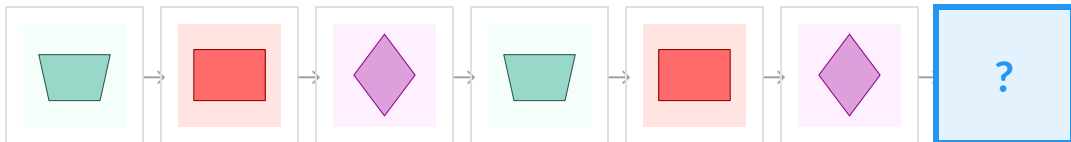
64.



65.



66.

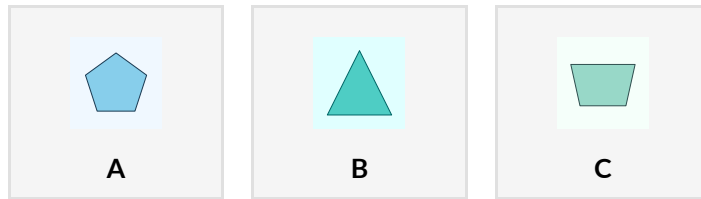
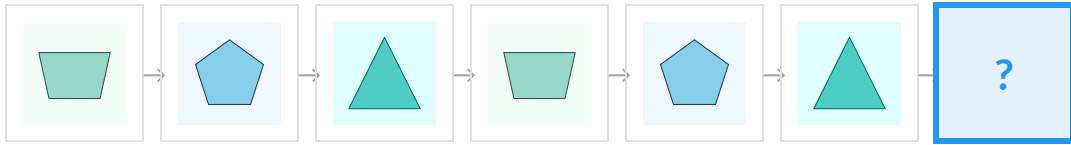


# Medium Level Patterns

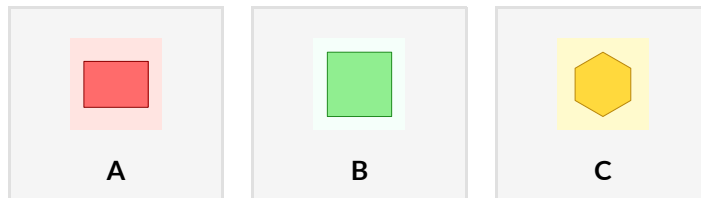
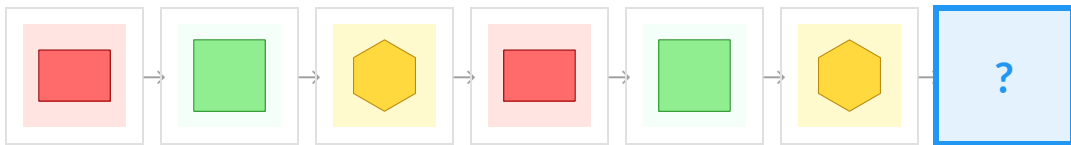
Difficulty: Medium

Complete each pattern by circling the correct shape:

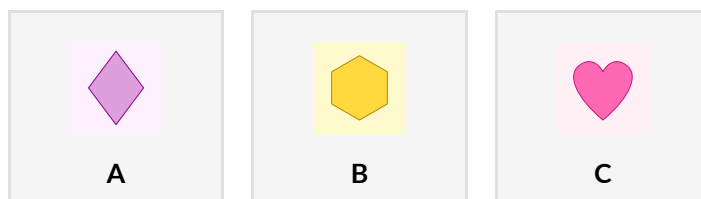
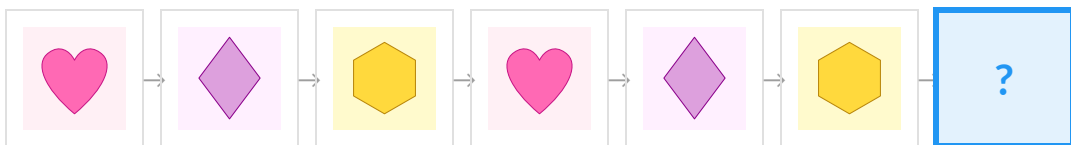
67.



68.



69.

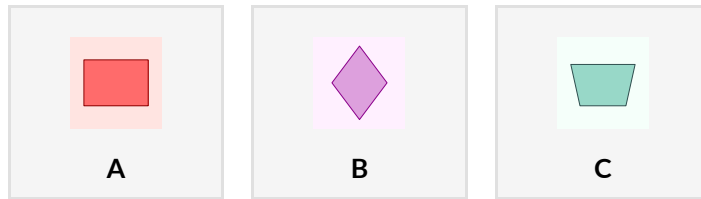
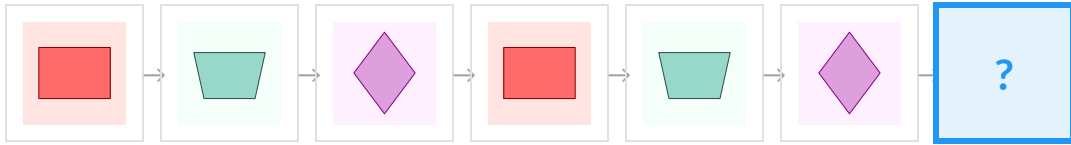


# Medium Level Patterns

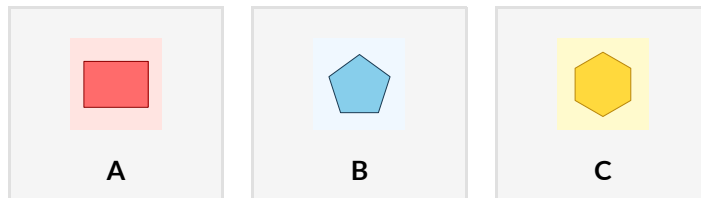
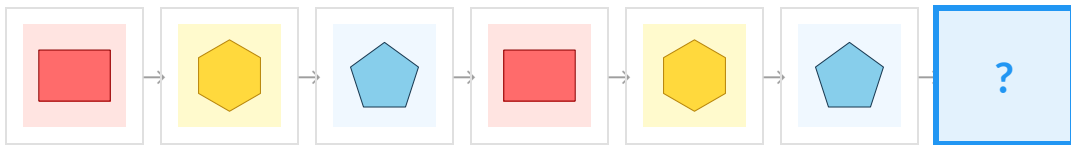
Difficulty: Medium

Complete each pattern by circling the correct shape:

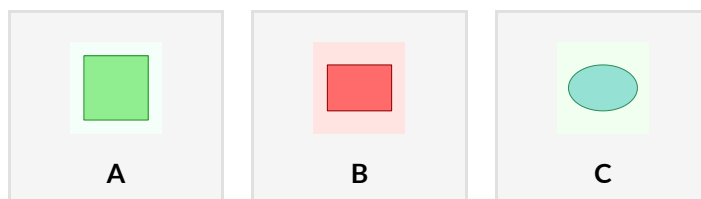
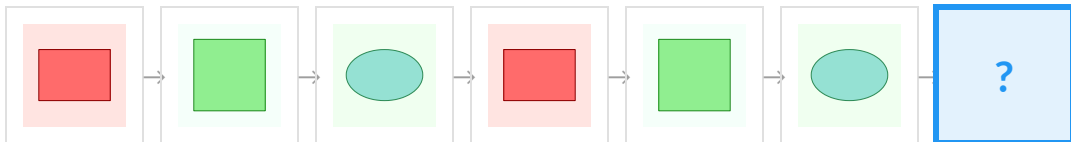
70.



71.



72.

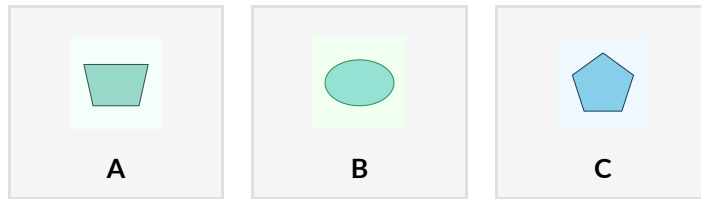
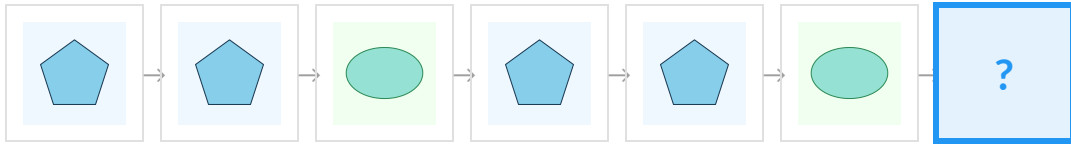


# Medium Level Patterns

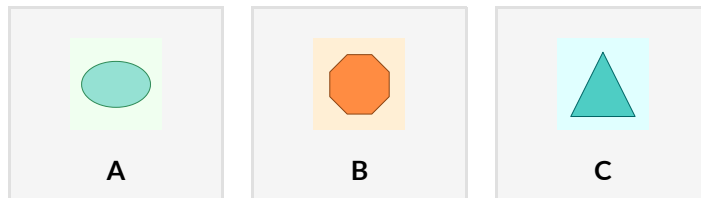
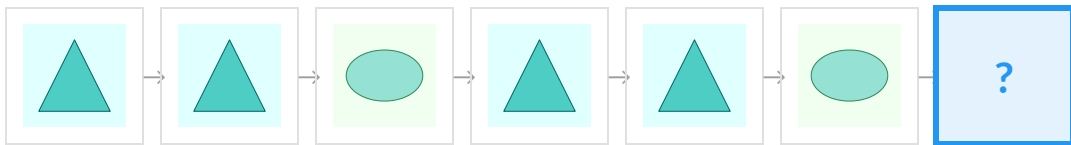
Difficulty: Medium

Complete each pattern by circling the correct shape:

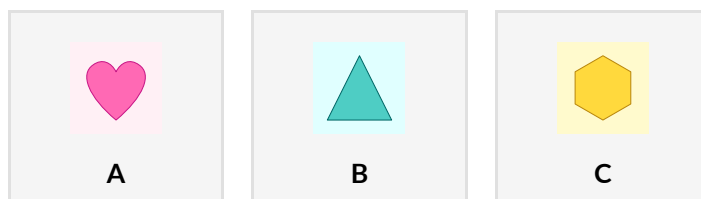
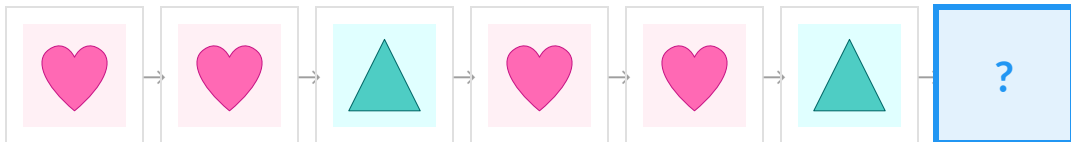
73.



74.



75.

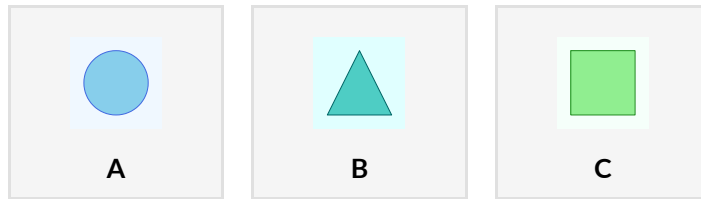
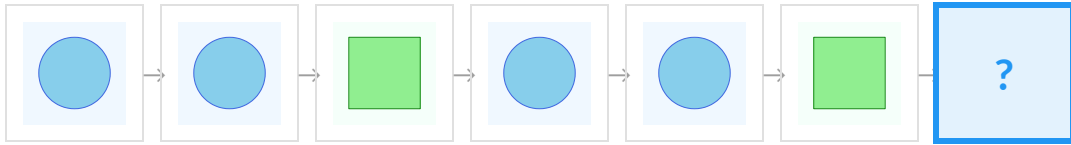


# Medium Level Patterns

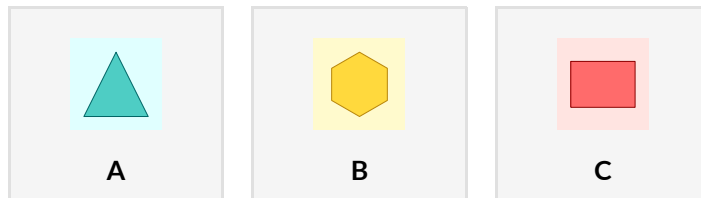
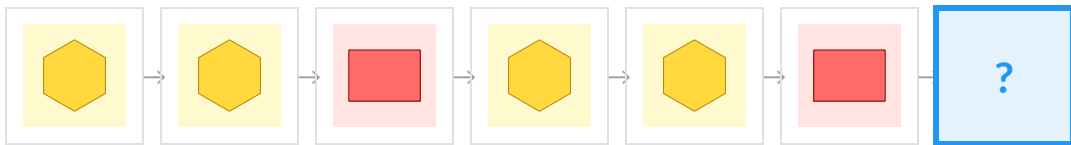
Difficulty: Medium

Complete each pattern by circling the correct shape:

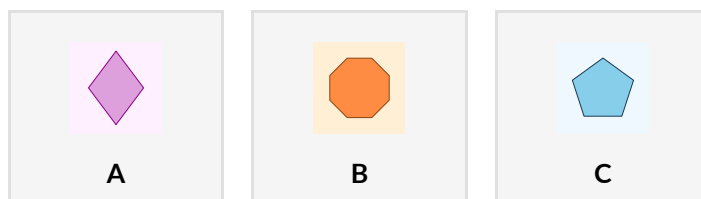
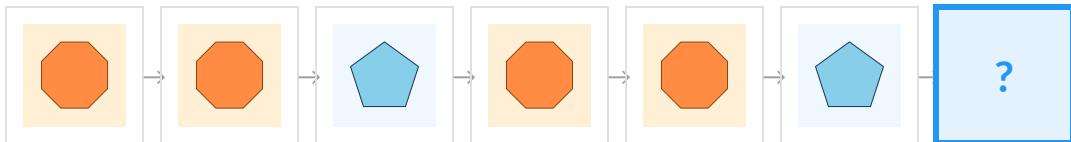
76.



77.



78.

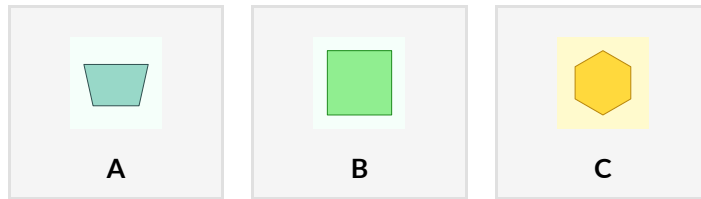
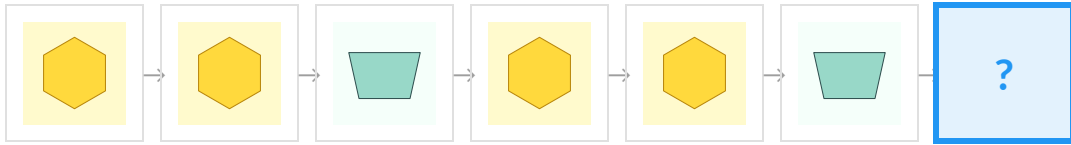


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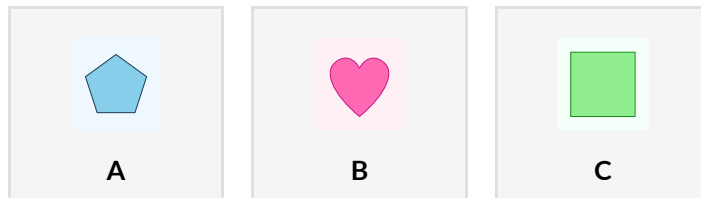
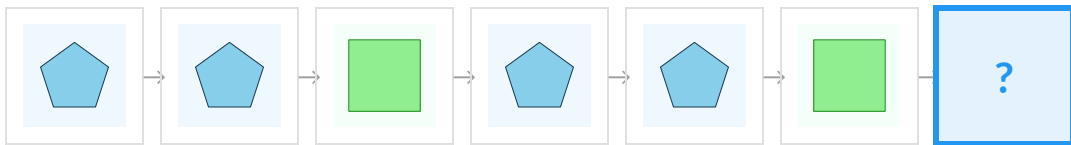
Difficulty: Medium

Complete each pattern by circling the correct shape:

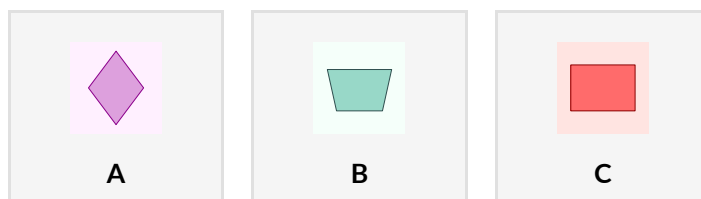
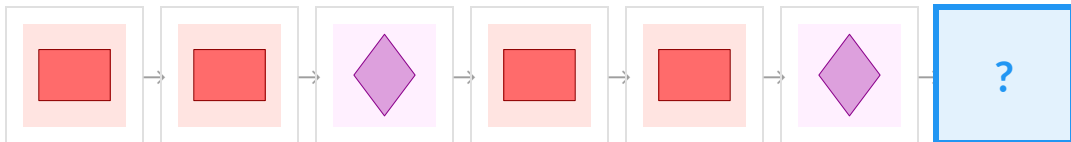
79.



80.



81.

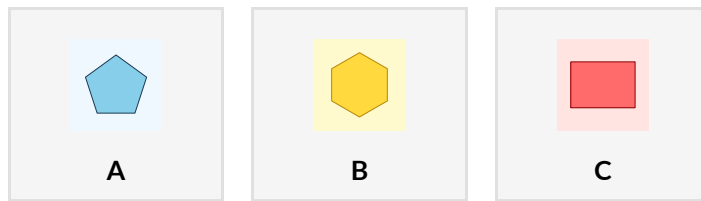
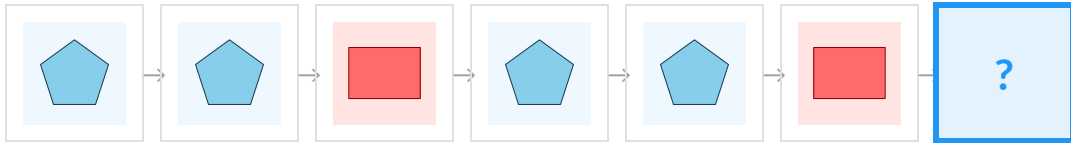


# Medium Level Patterns

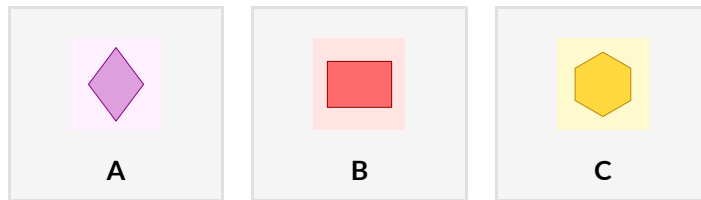
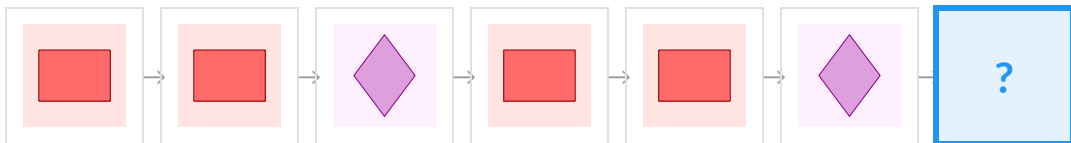
Difficulty: Medium

Complete each pattern by circling the correct shape:

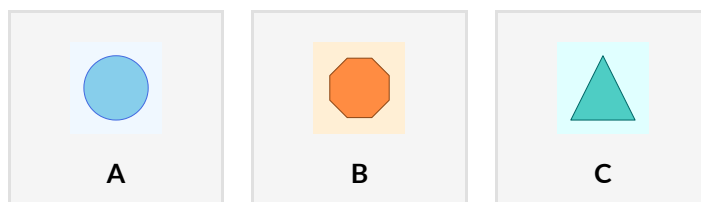
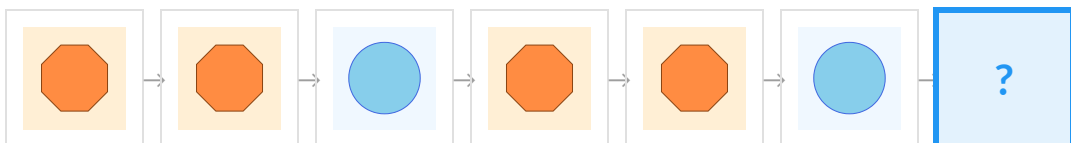
82.



83.



84.

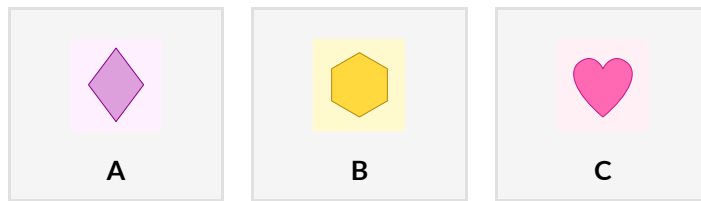
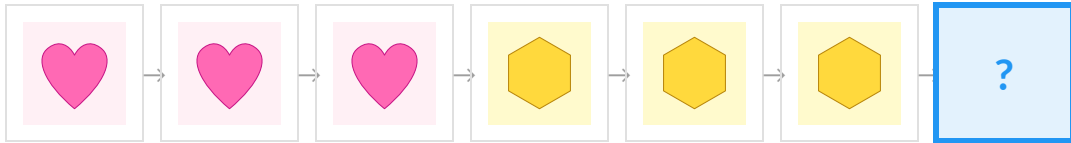


# Medium Level Patterns

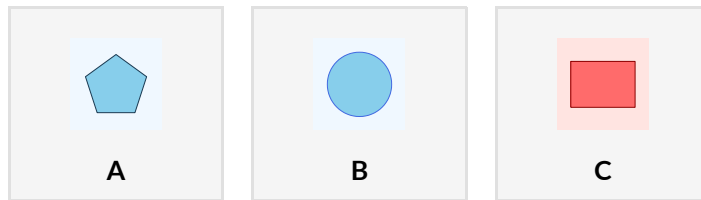
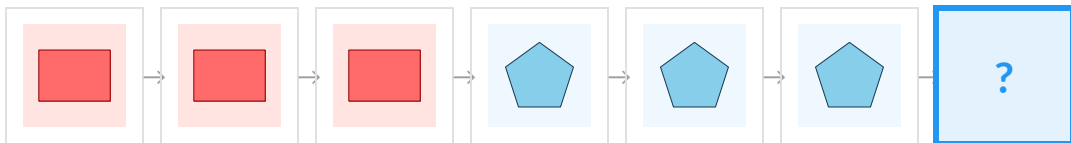
Difficulty: Medium

Complete each pattern by circling the correct shape:

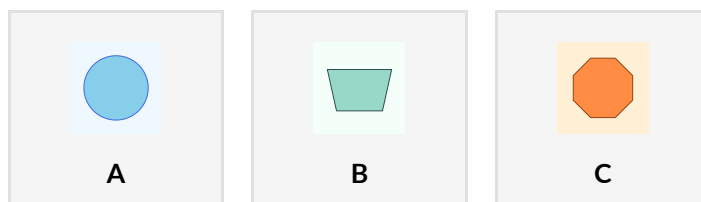
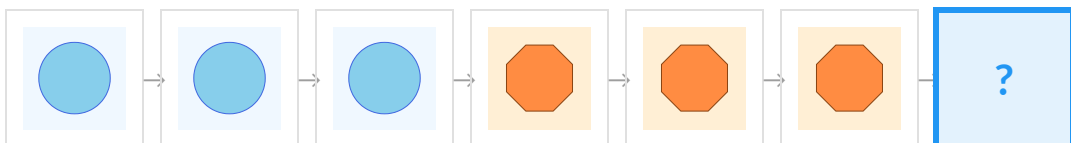
85.



86.



87.

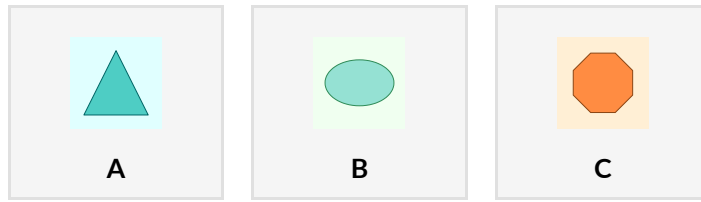
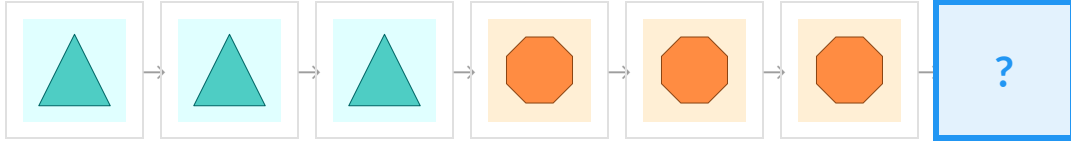


# Medium Level Patterns

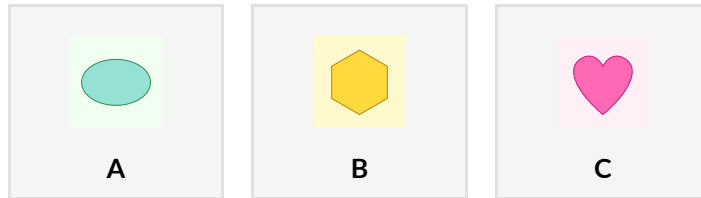
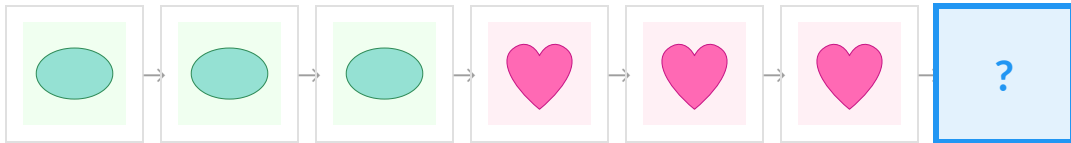
Difficulty: Medium

Complete each pattern by circling the correct shape:

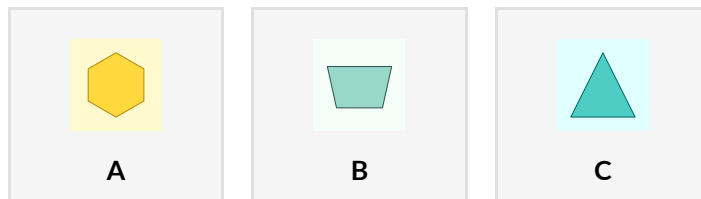
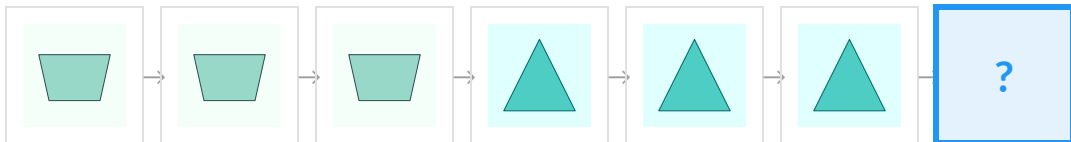
88.



89.



90.

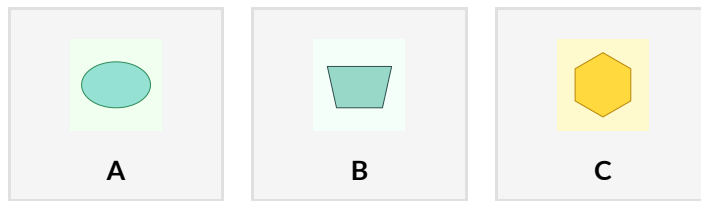
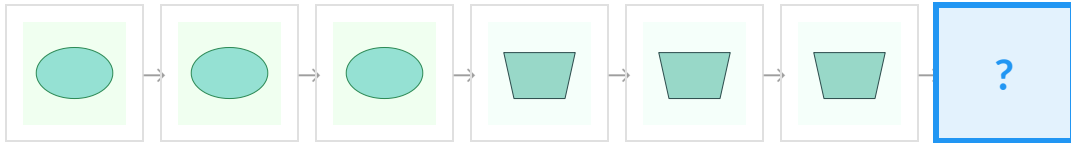


# Medium Level Patterns

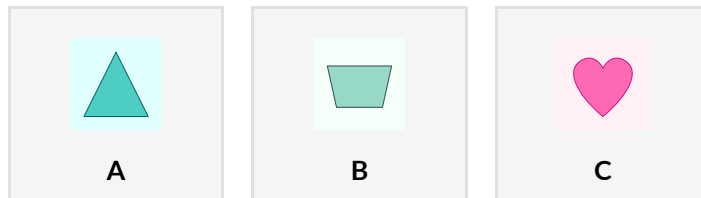
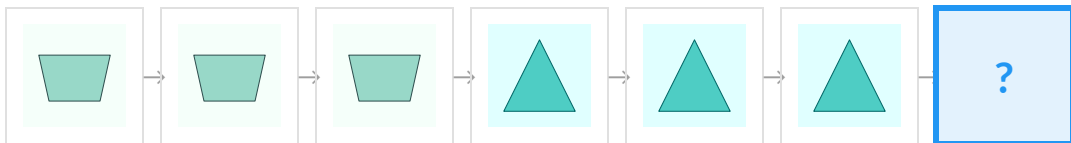
Difficulty: Medium

Complete each pattern by circling the correct shape:

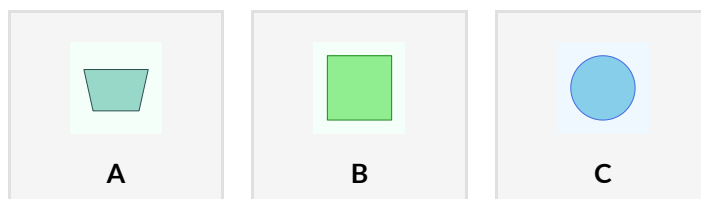
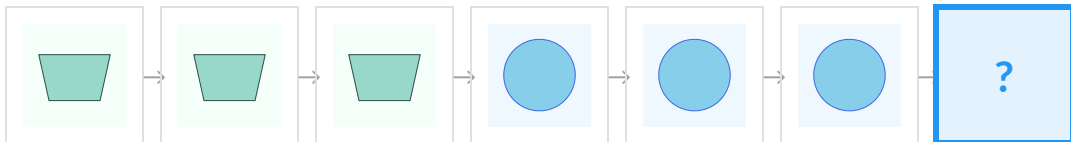
91.



92.



93.

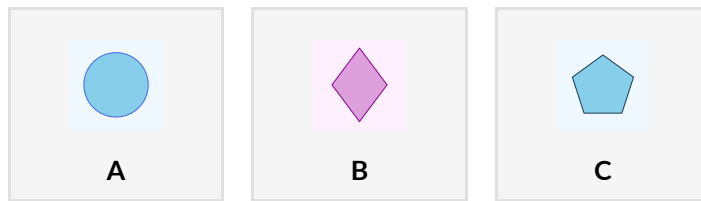
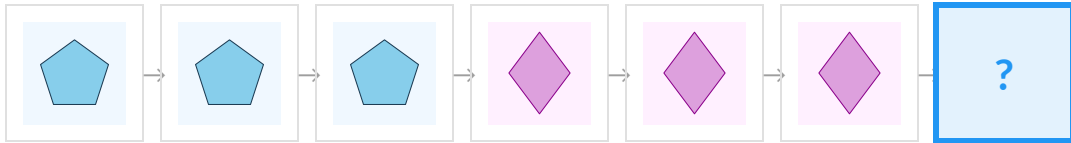


# Medium Level Patterns

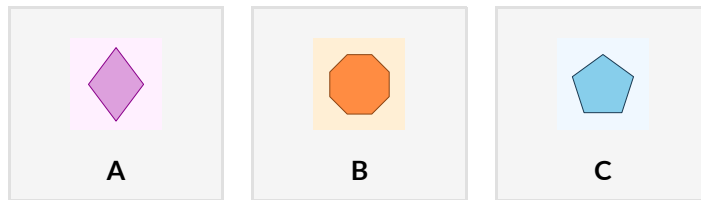
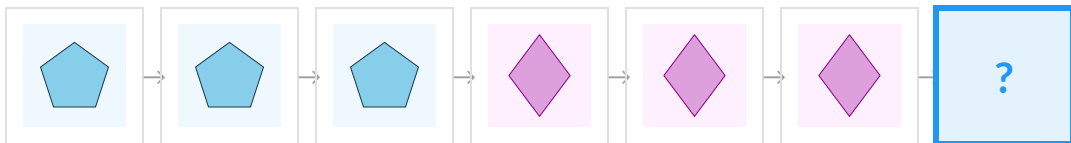
Difficulty: Medium

Complete each pattern by circling the correct shape:

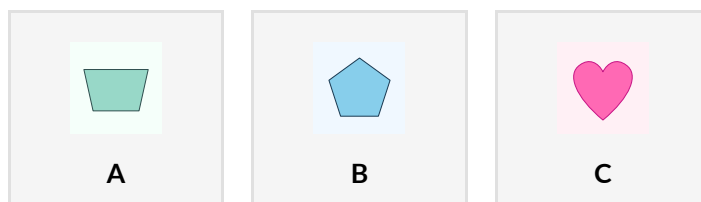
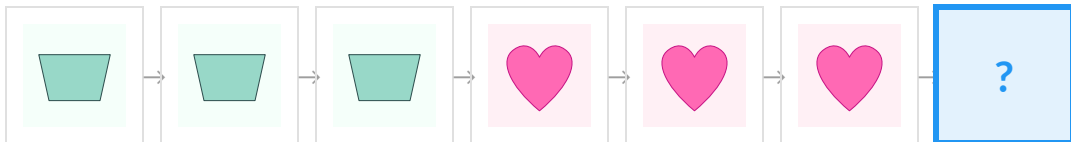
94.



95.



96.



# Answer Key

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

## Answer Key

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

## Answer Key

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