

Challenge Series Patterns

Hard Length

100 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.

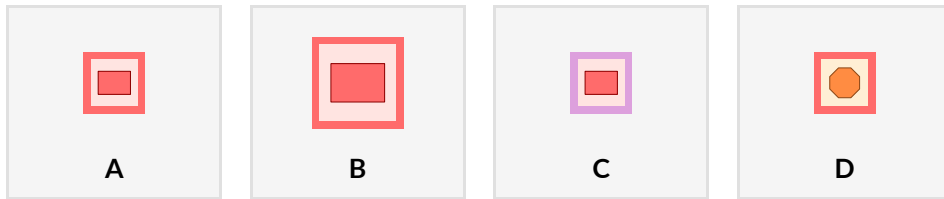
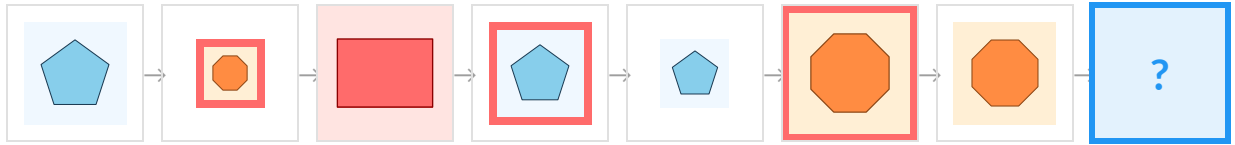
¹ Aligned with early mathematics curriculum focusing on patterns and algebraic thinking.

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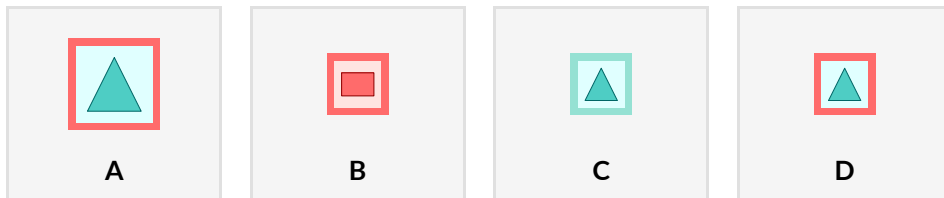
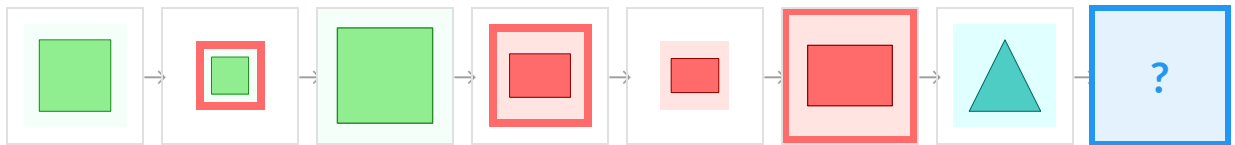
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Complete each pattern by circling the correct shape:

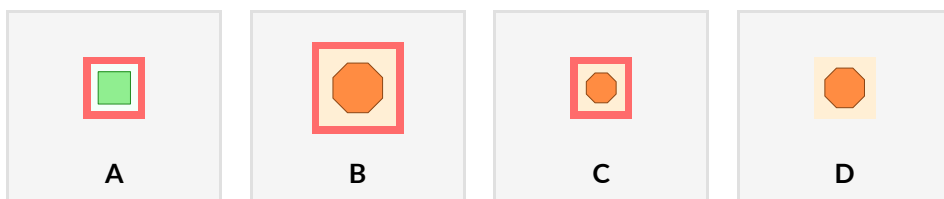
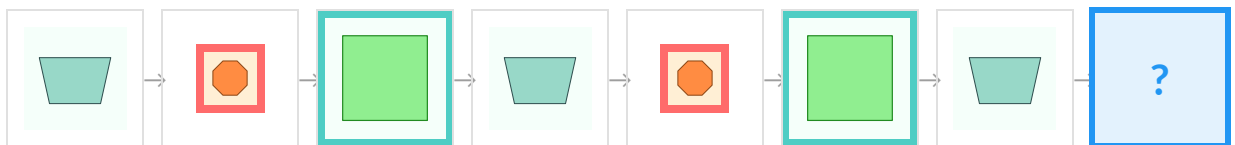
1.



2.



3.

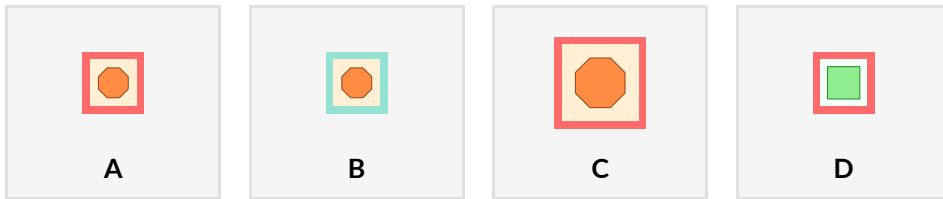
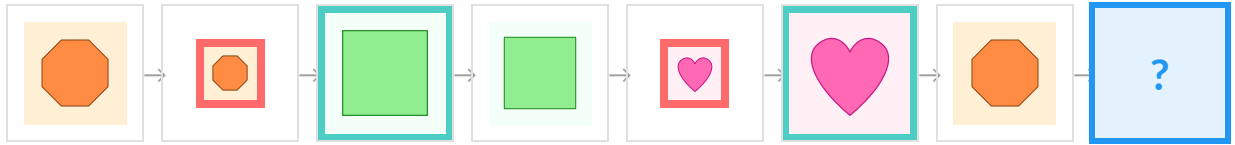


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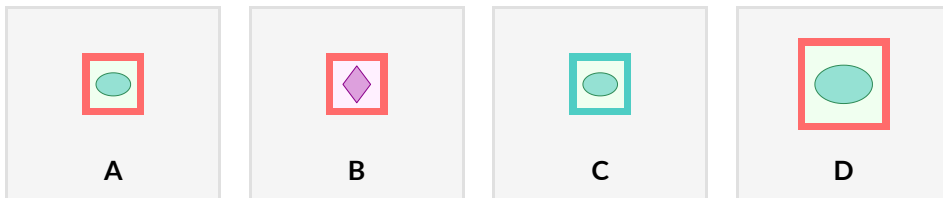
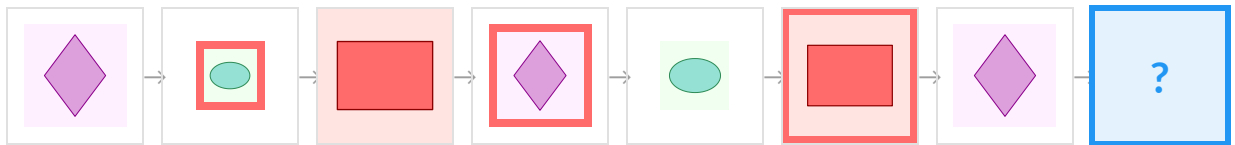
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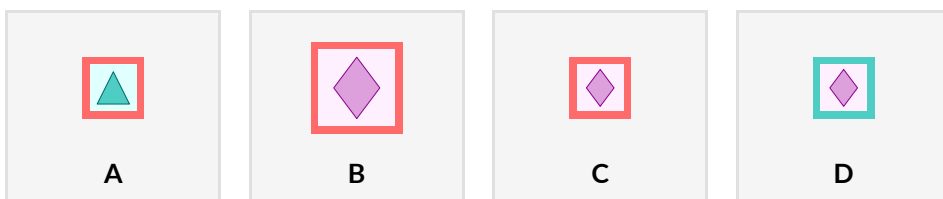
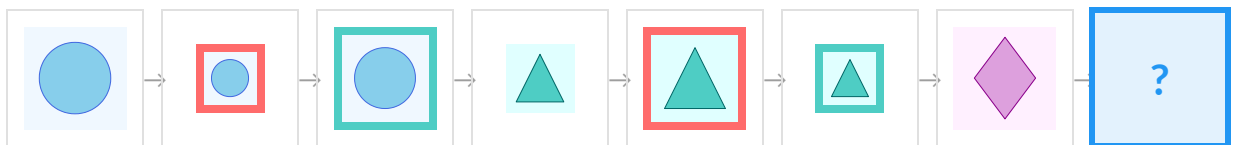
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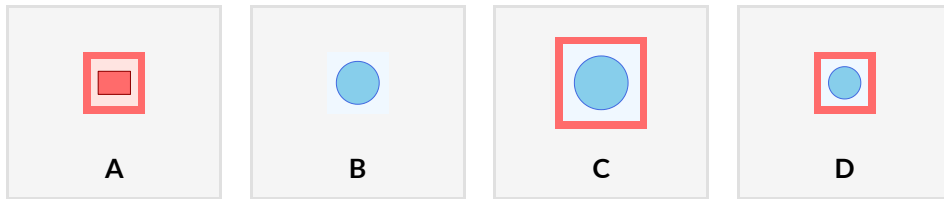
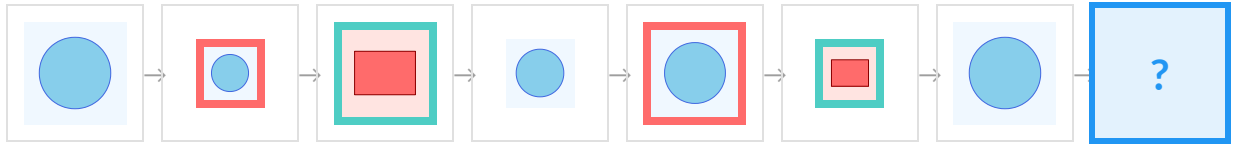


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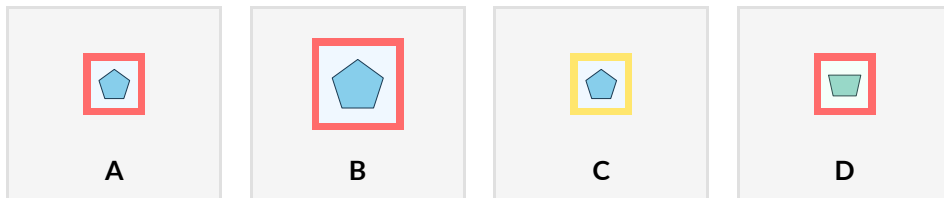
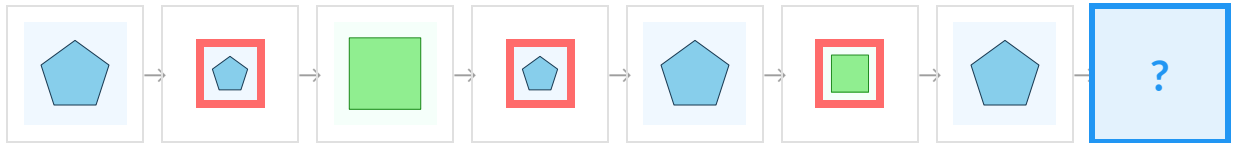
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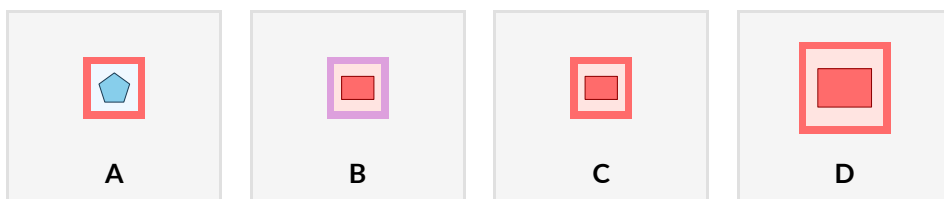
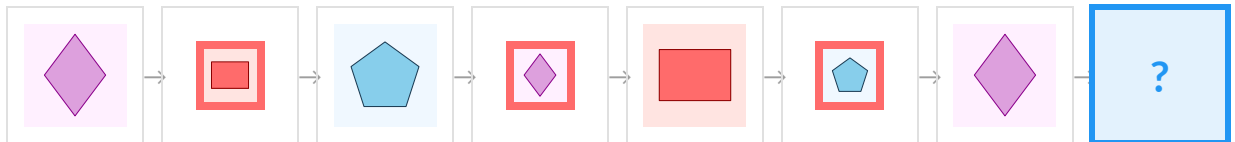
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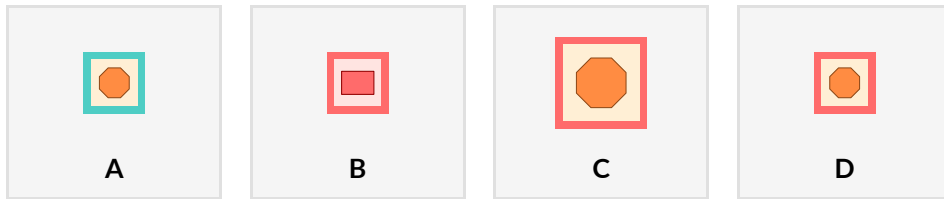
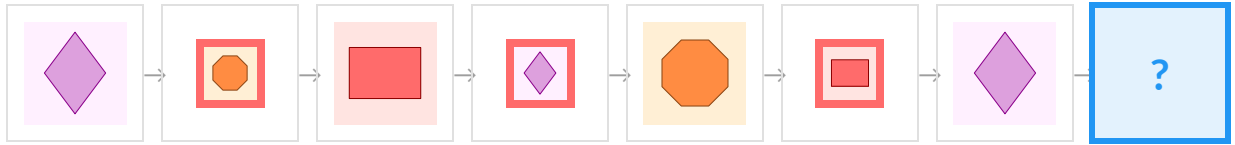


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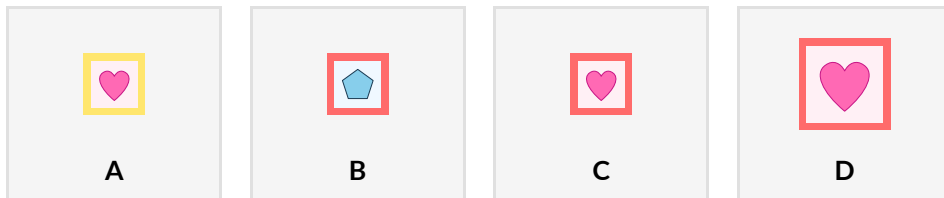
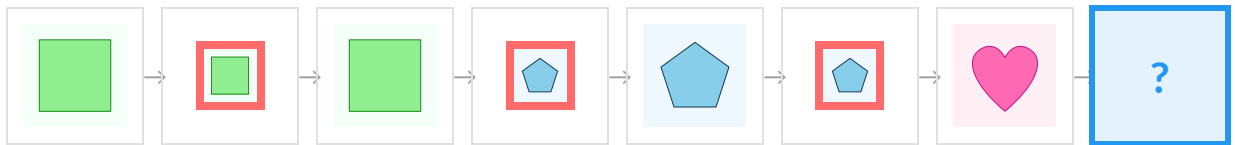
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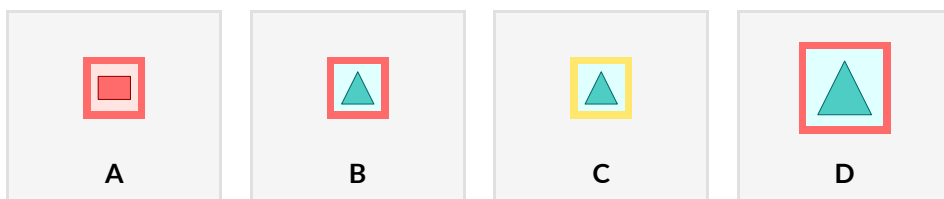
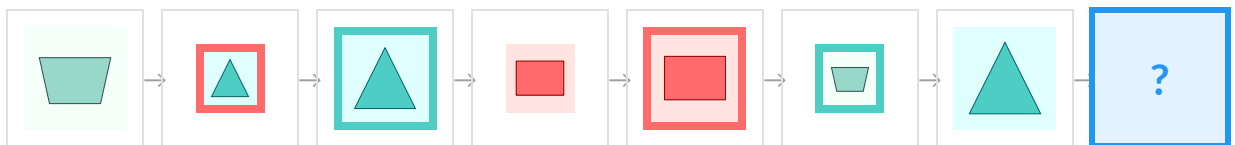
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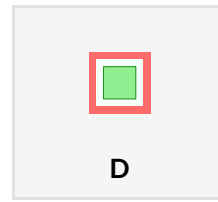
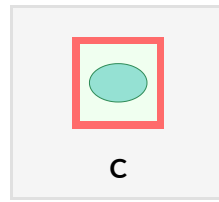
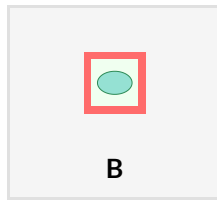
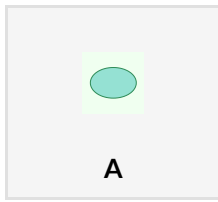
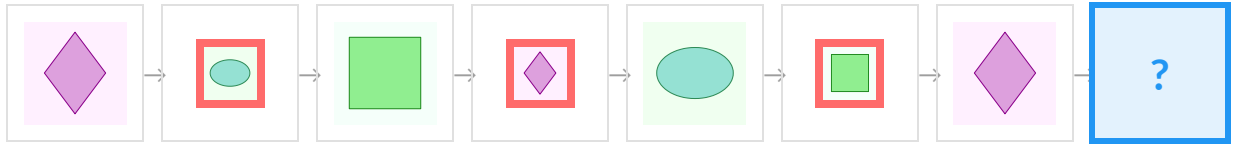


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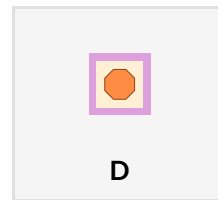
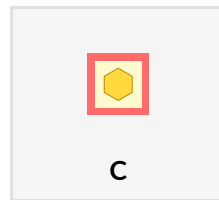
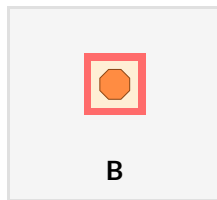
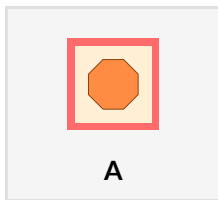
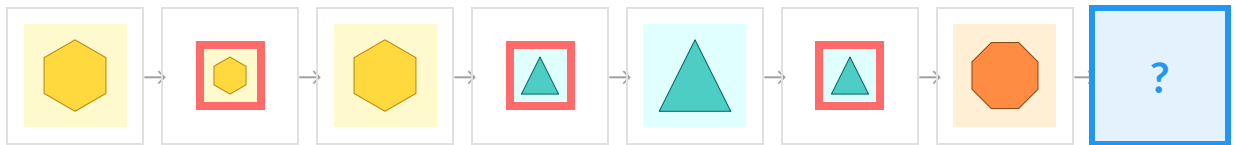
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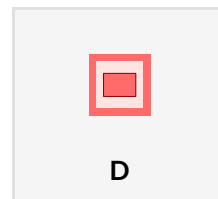
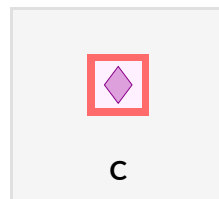
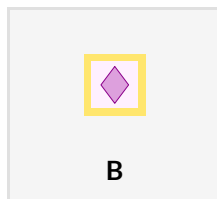
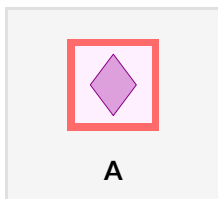
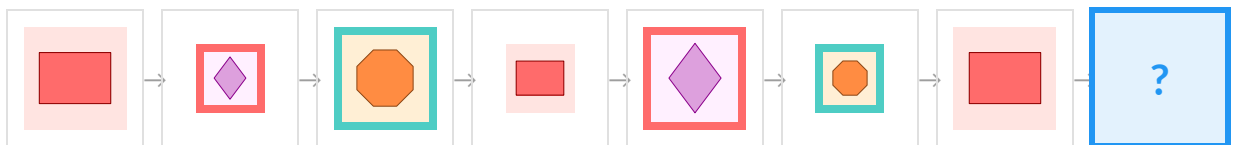
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14.



15.

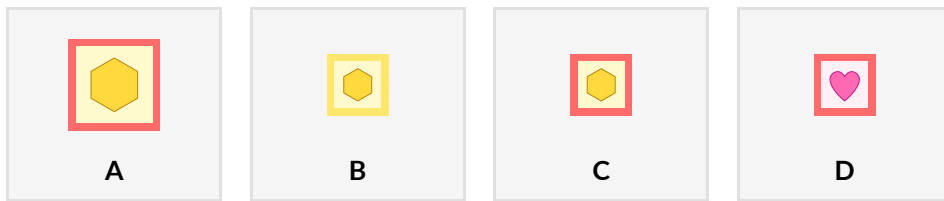
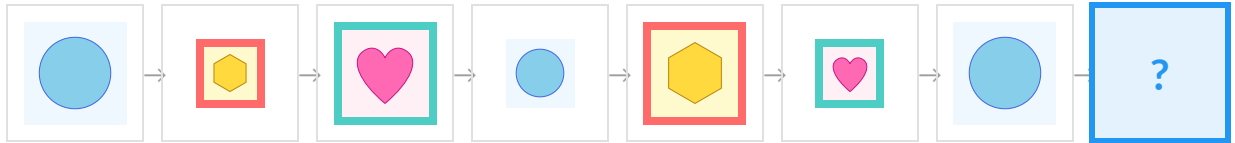


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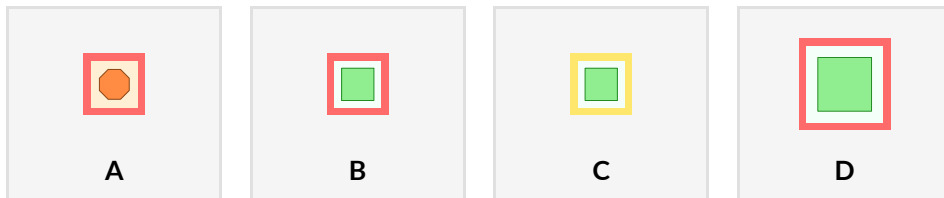
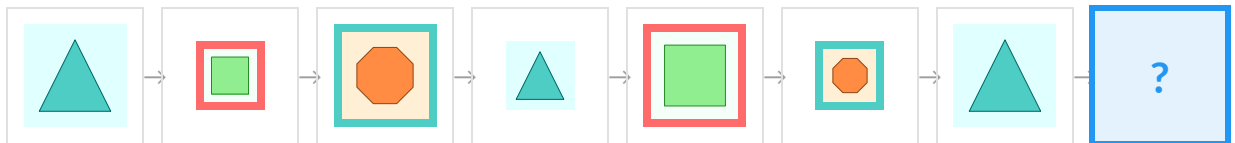
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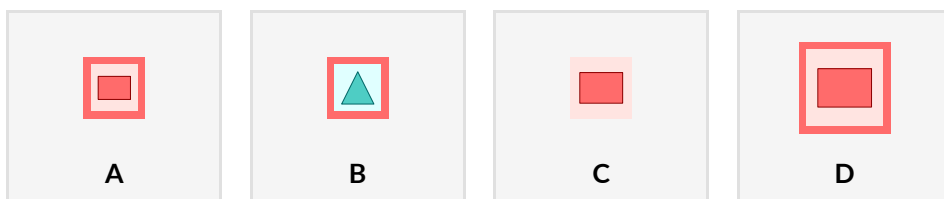
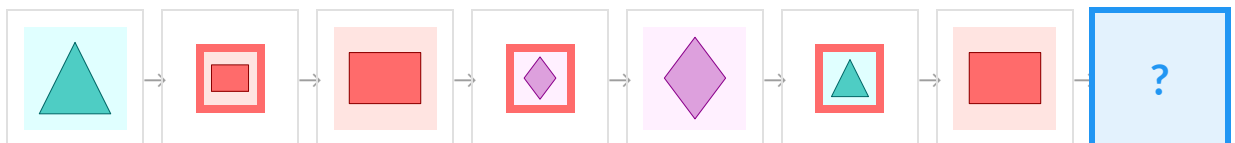
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17.



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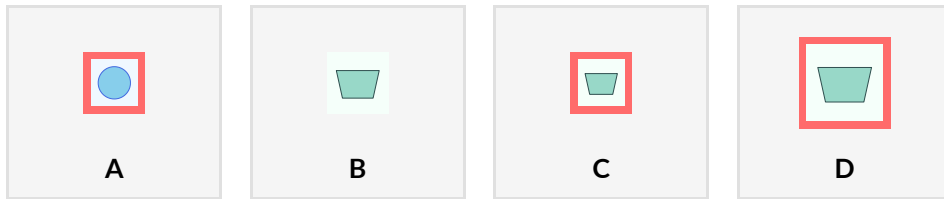
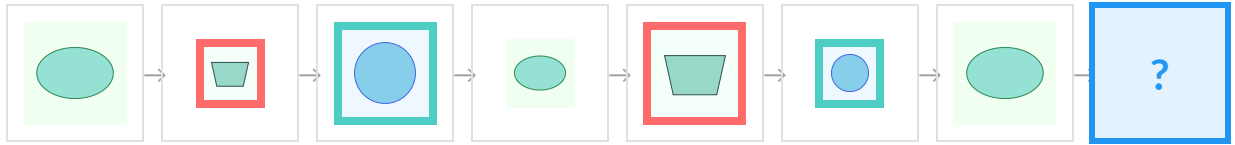


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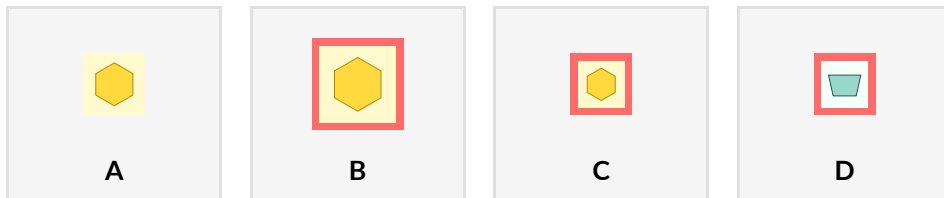
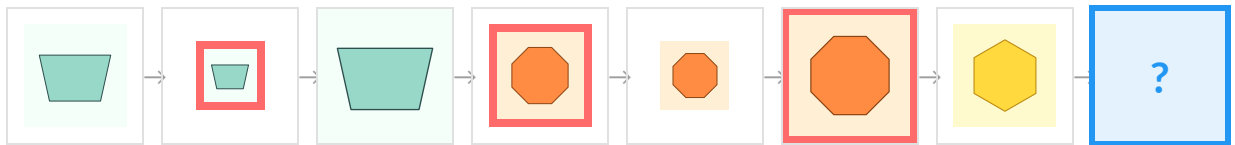
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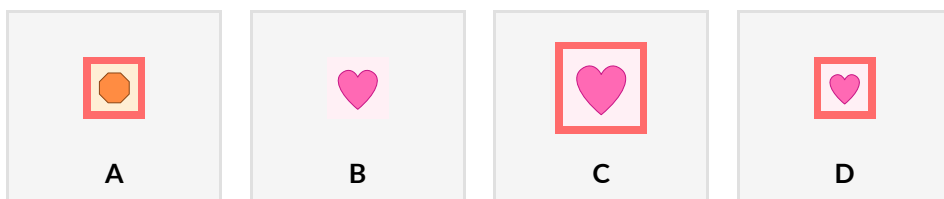
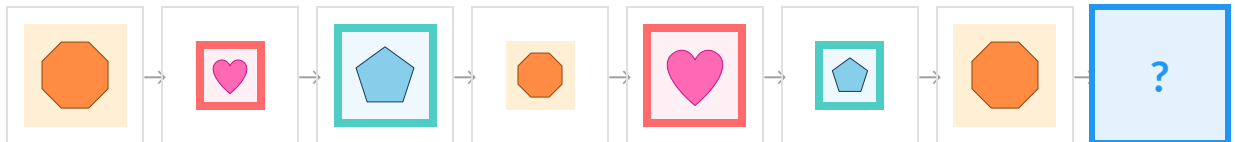
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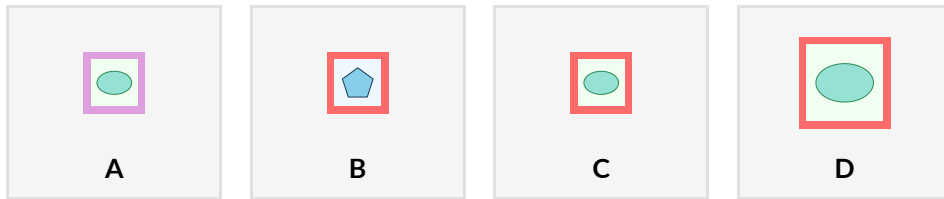
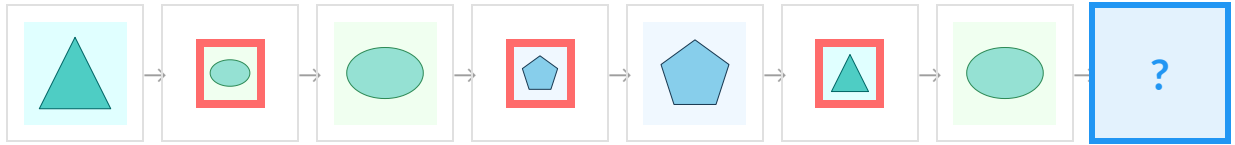


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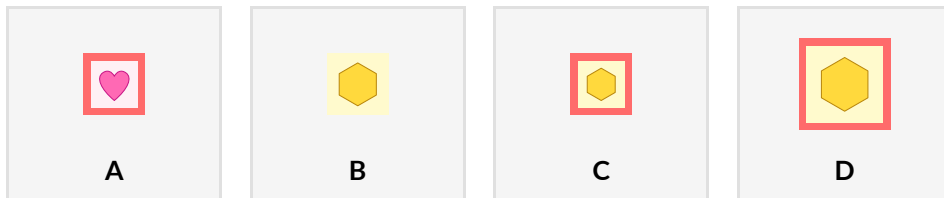
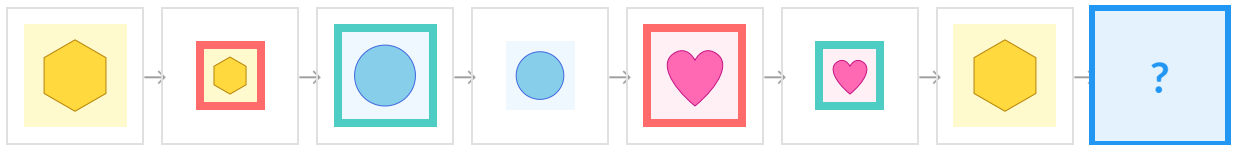
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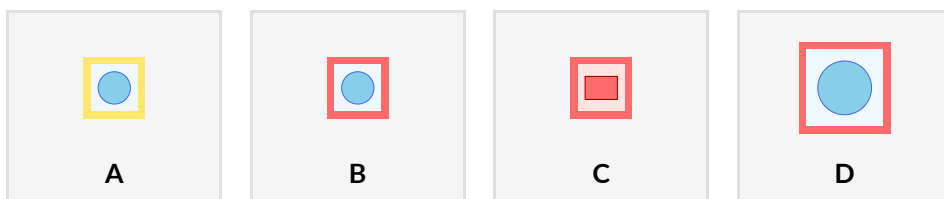
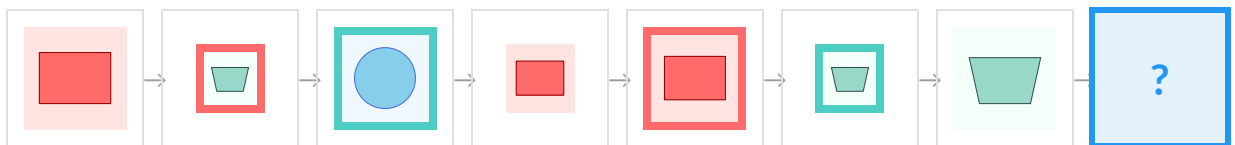
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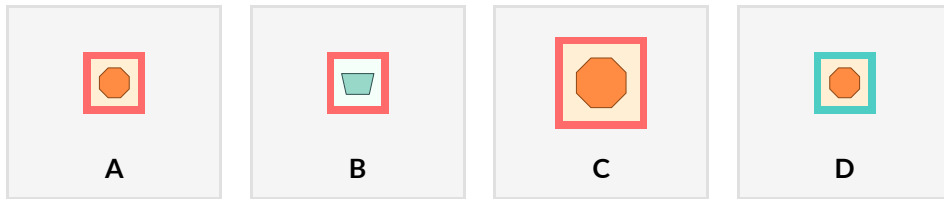
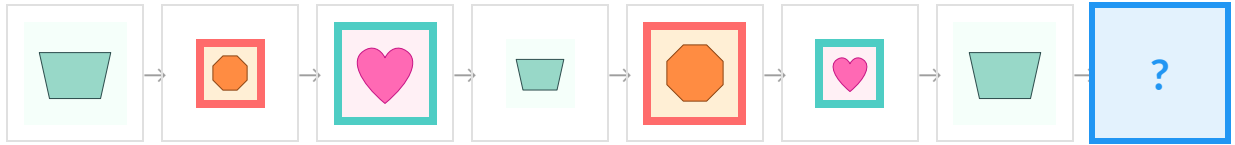


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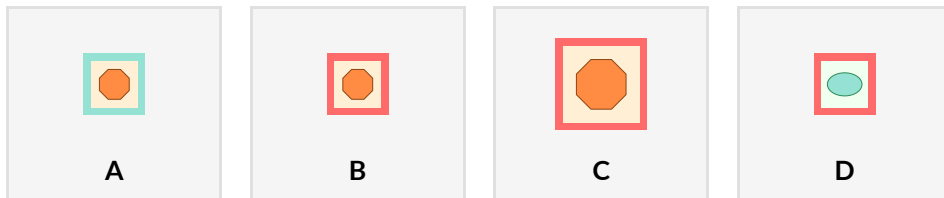
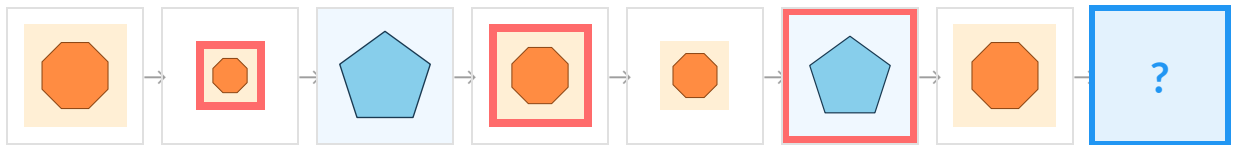
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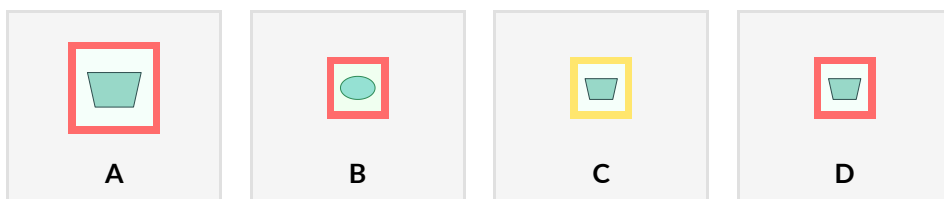
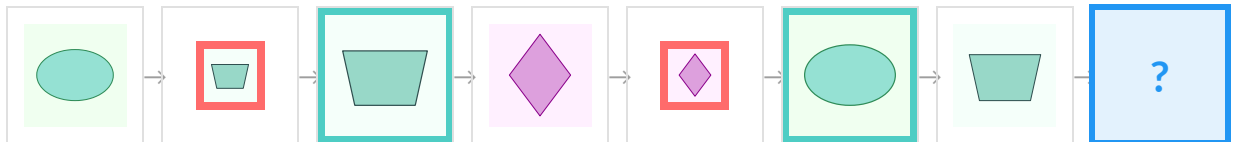
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26.



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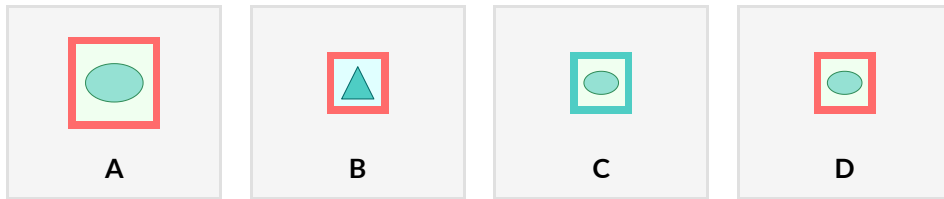
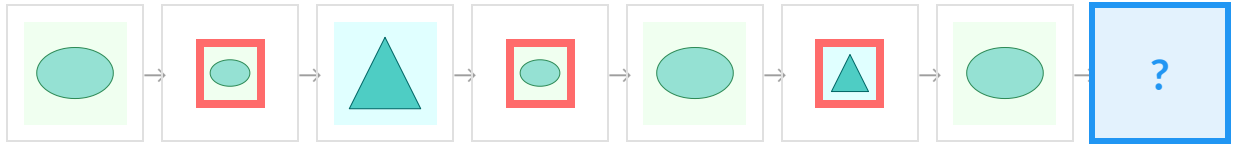


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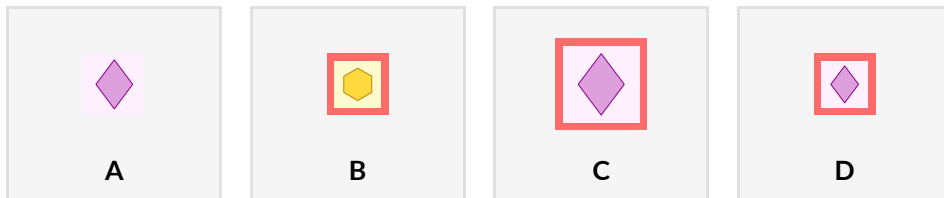
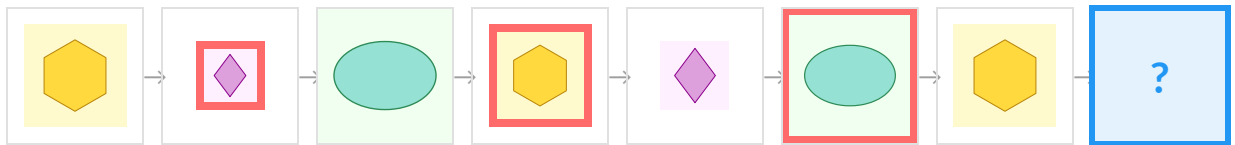
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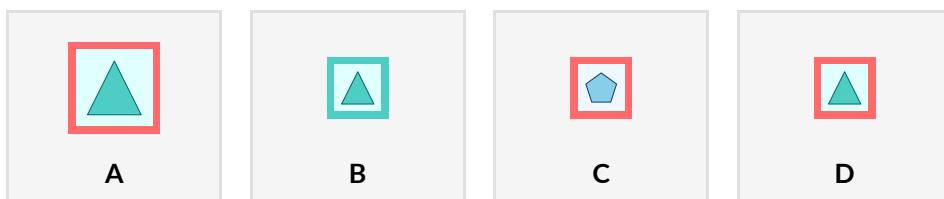
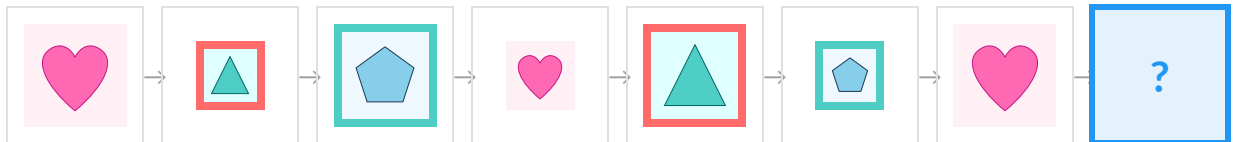
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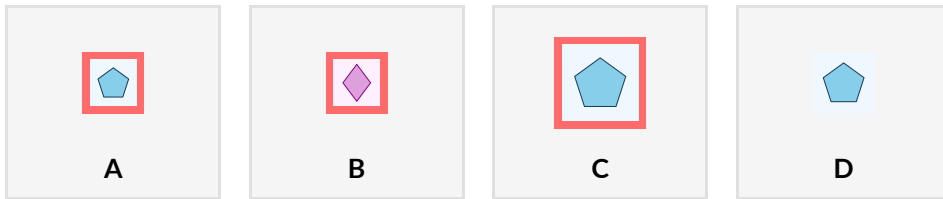
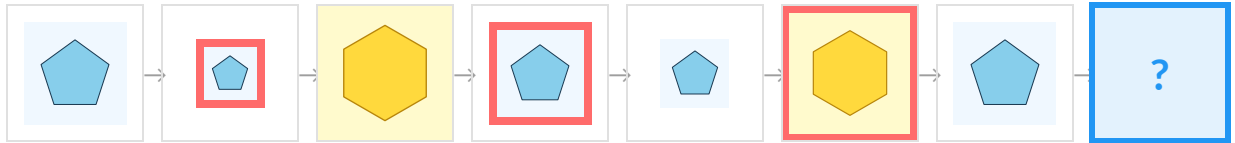


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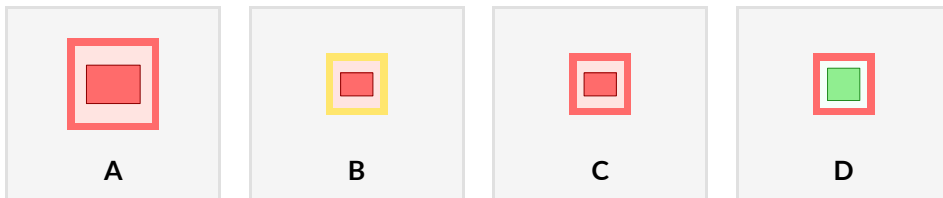
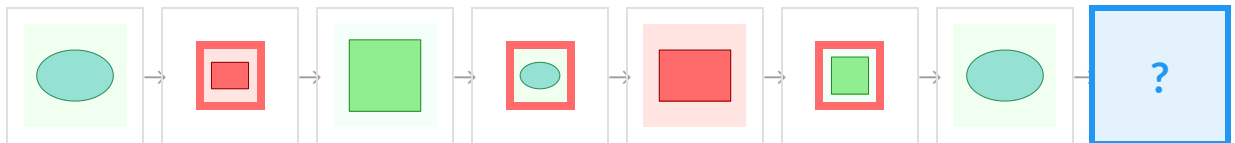
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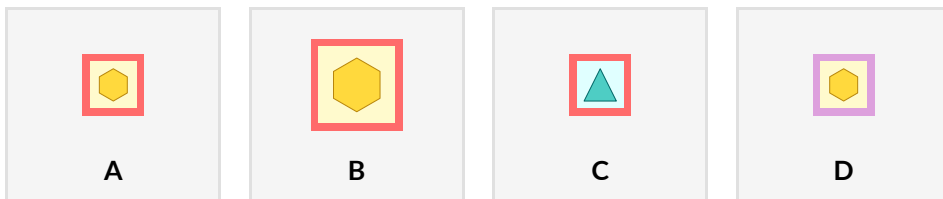
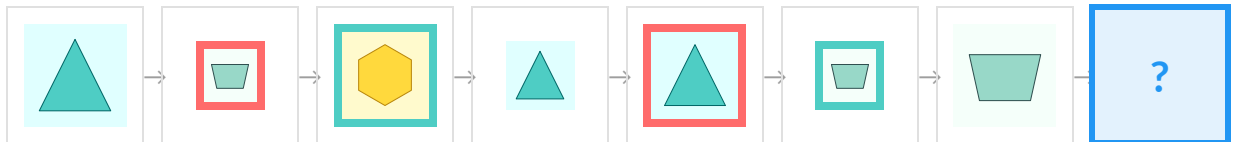
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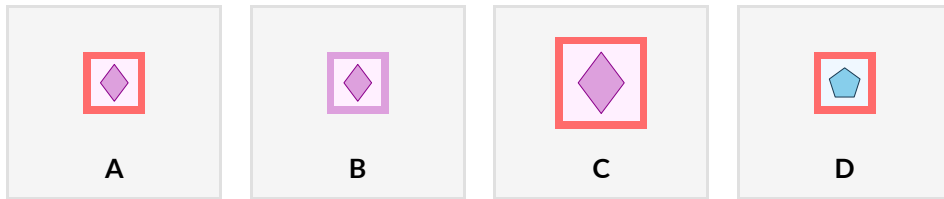
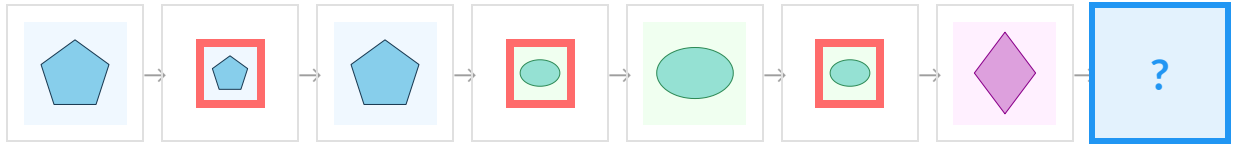


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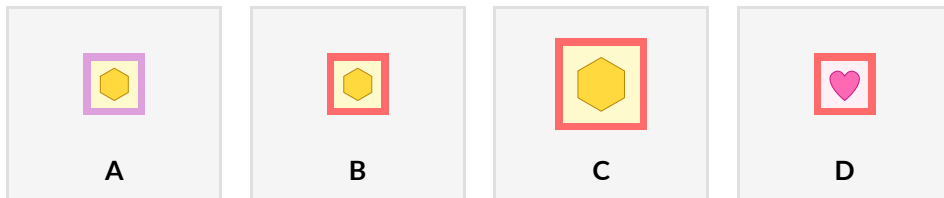
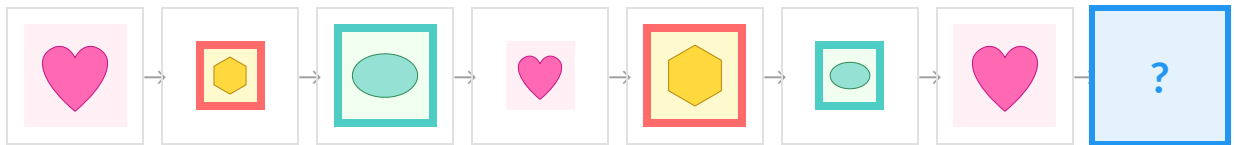
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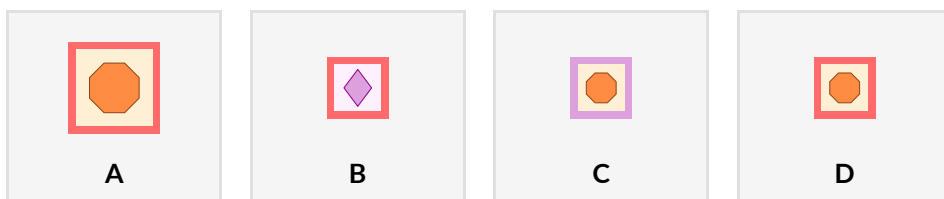
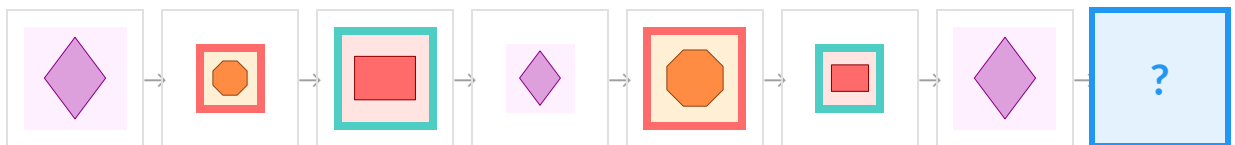
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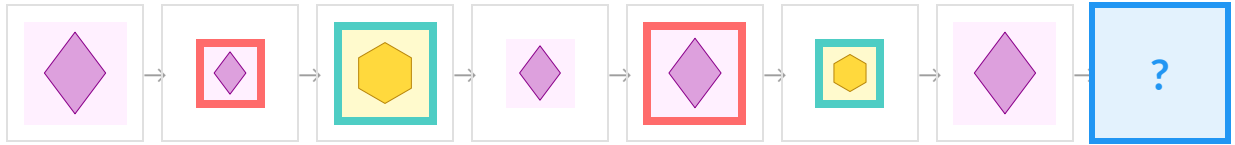


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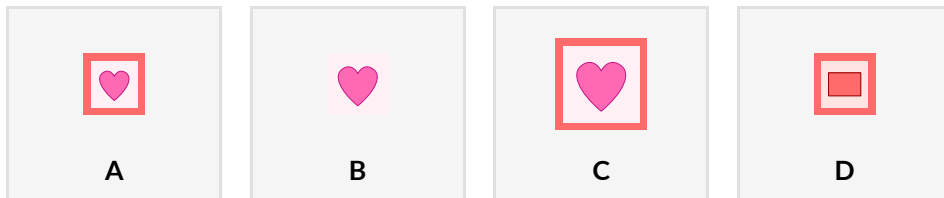
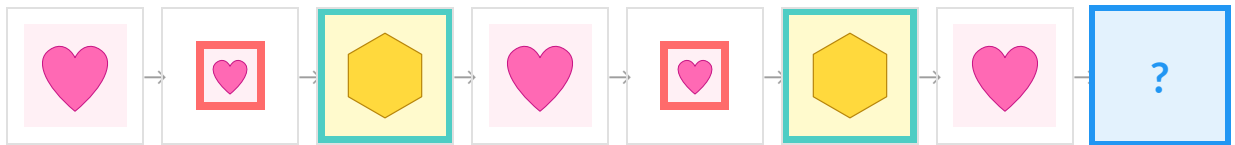
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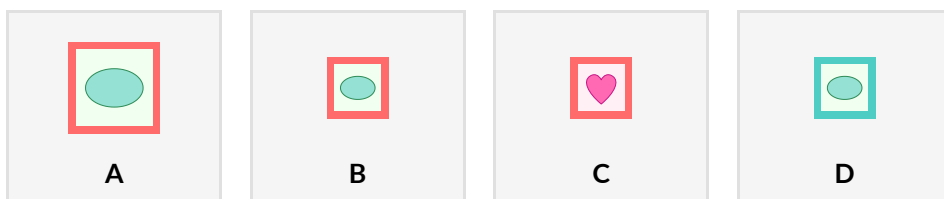
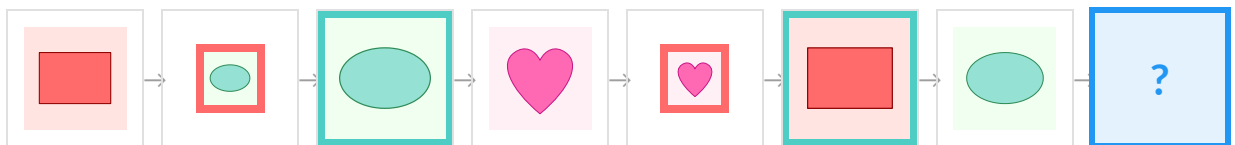
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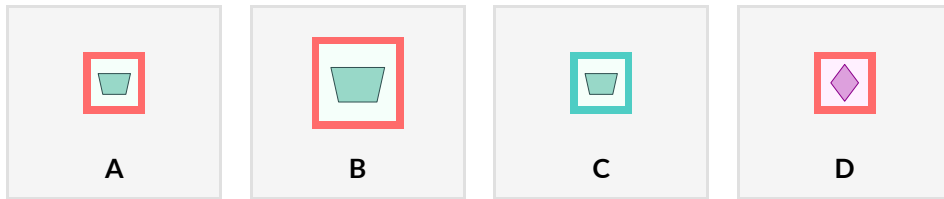
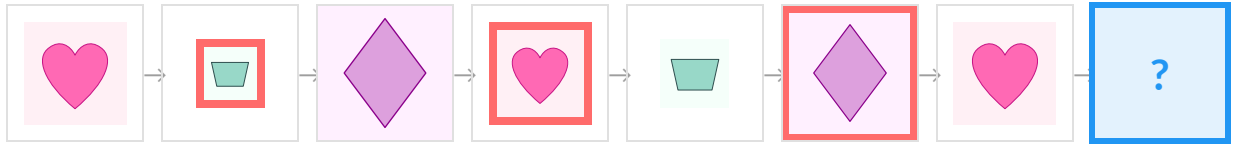


Challenge Series Patterns

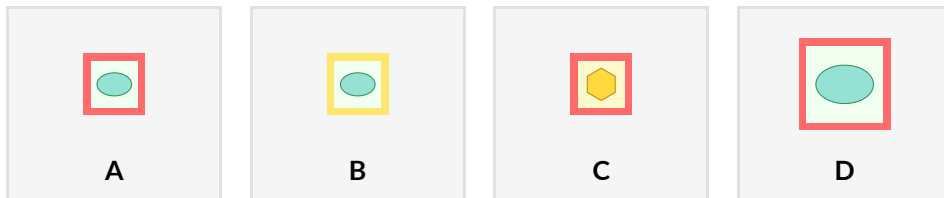
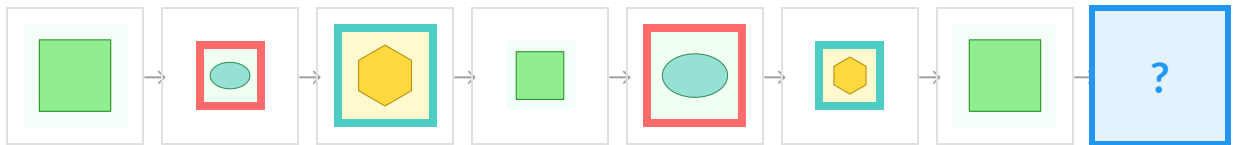
Difficulty: Hard

Complete each pattern by circling the correct shape:

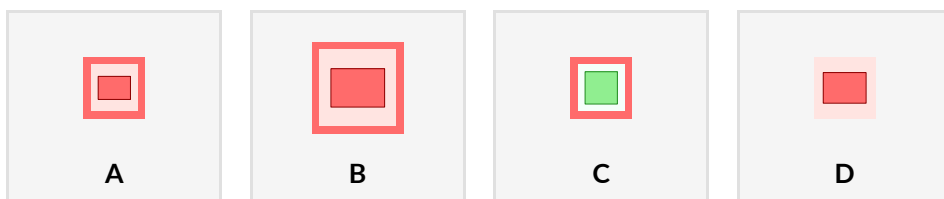
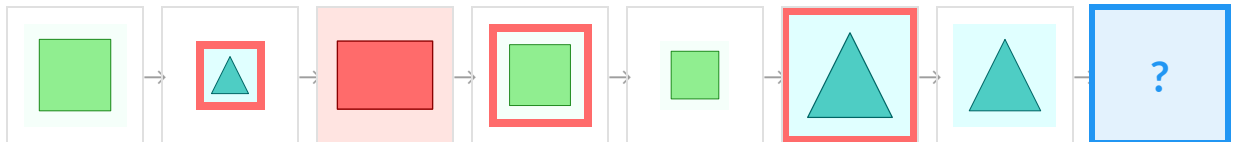
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41.



42.

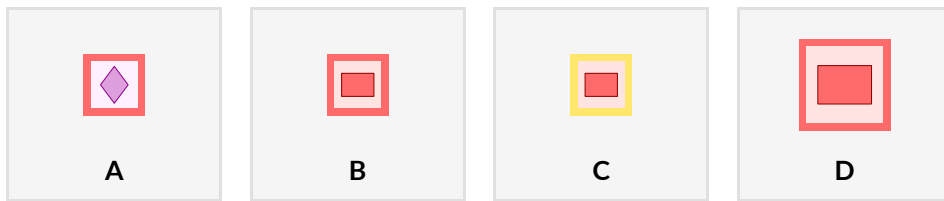
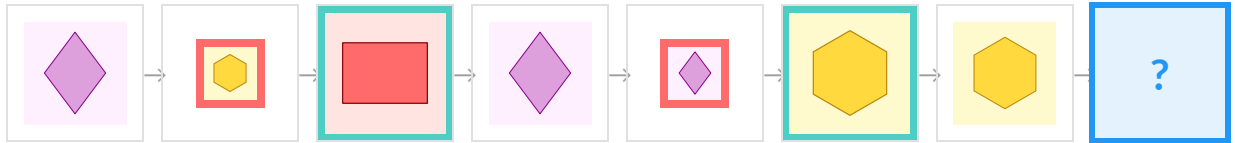


Challenge Series Patterns

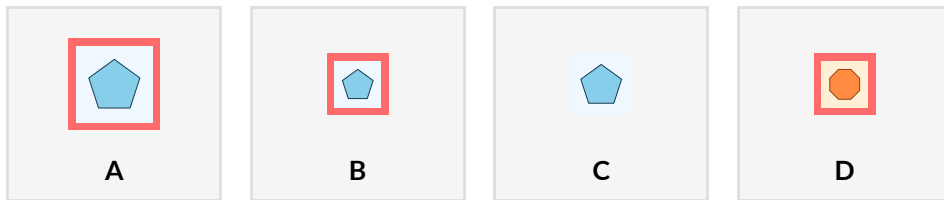
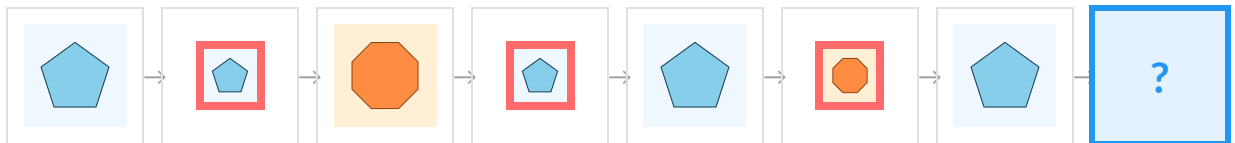
Difficulty: Hard

Complete each pattern by circling the correct shape:

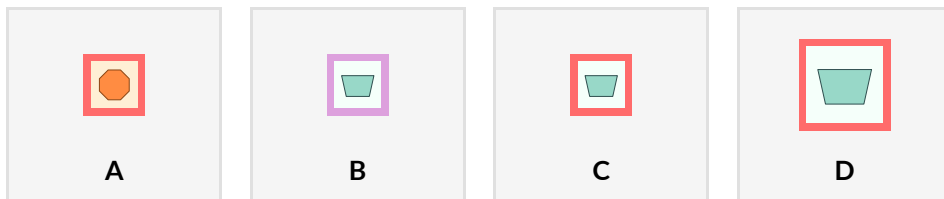
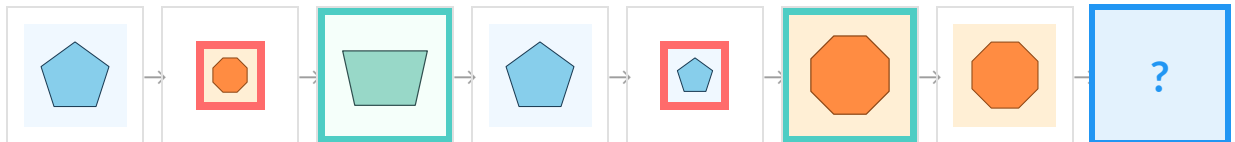
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44.



45.

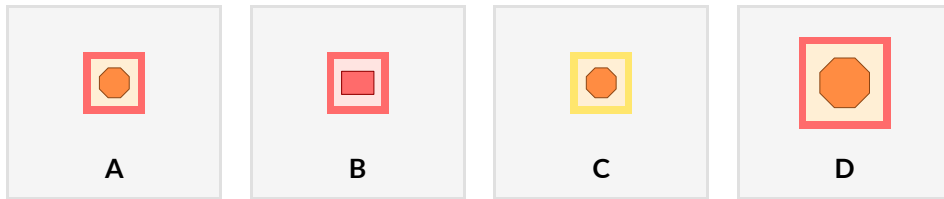
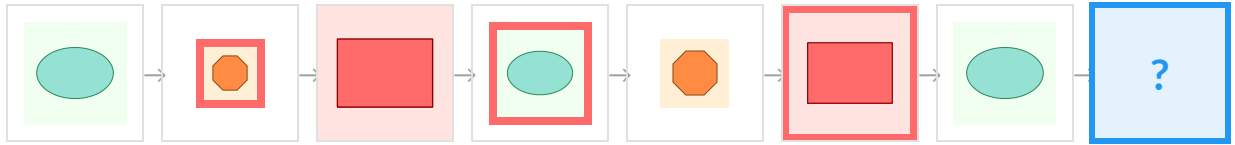


Challenge Series Patterns

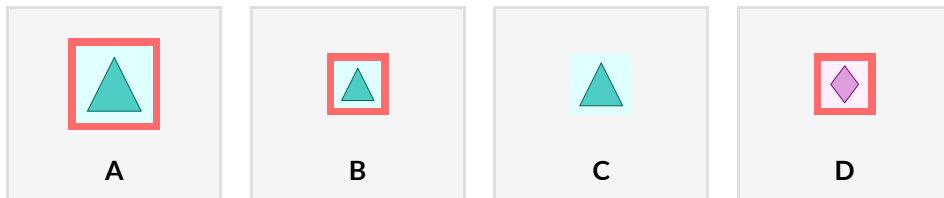
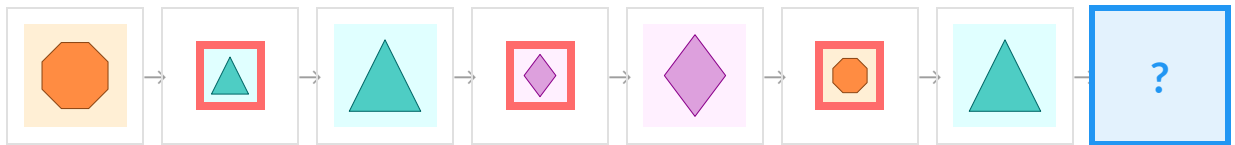
Difficulty: Hard

Complete each pattern by circling the correct shape:

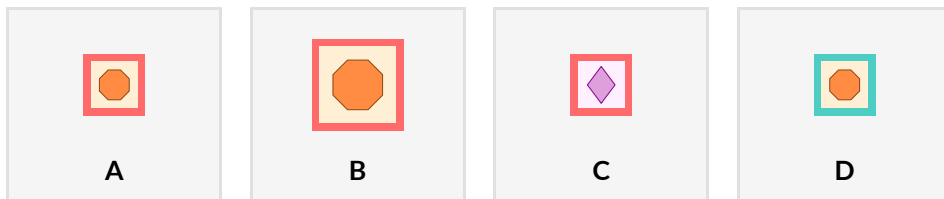
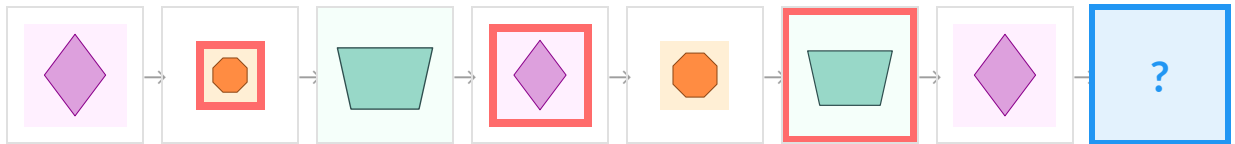
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47.



48.

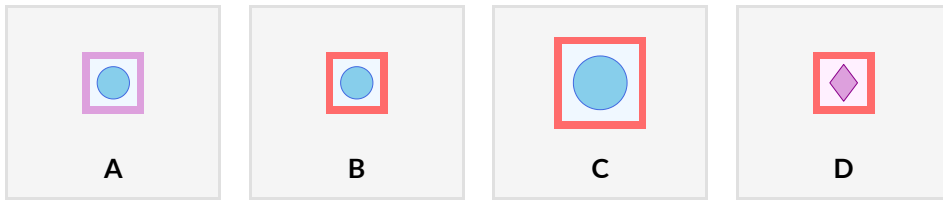
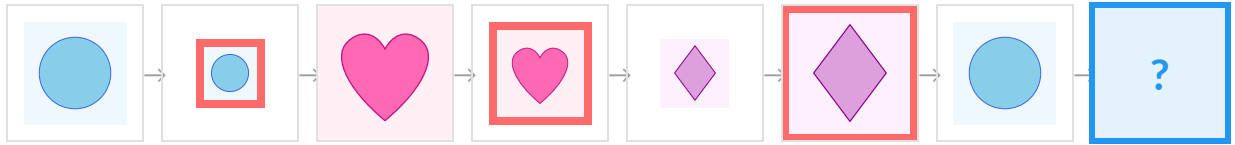


Challenge Series Patterns

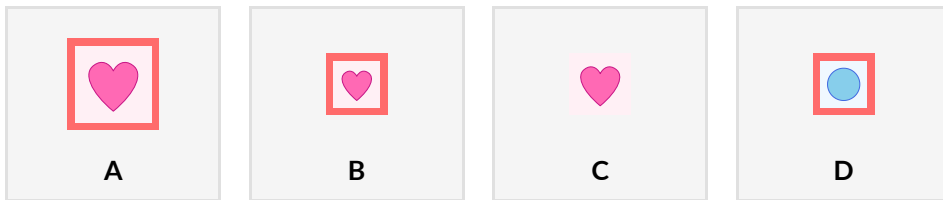
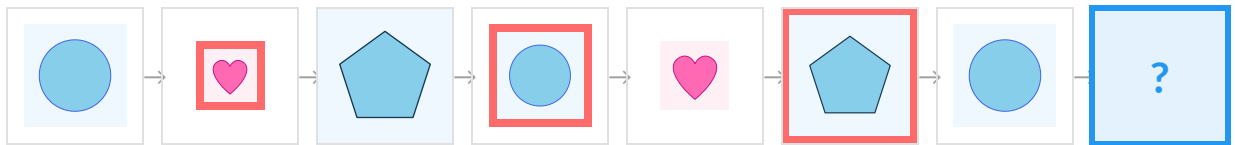
Difficulty: Hard

Complete each pattern by circling the correct shape:

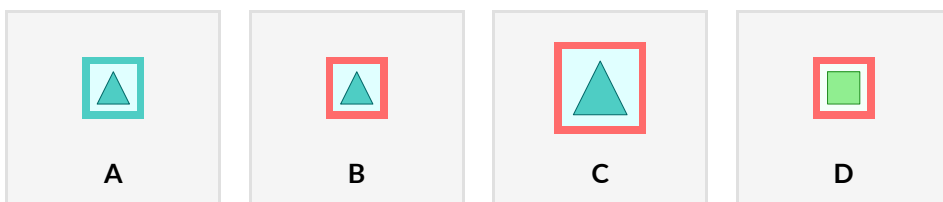
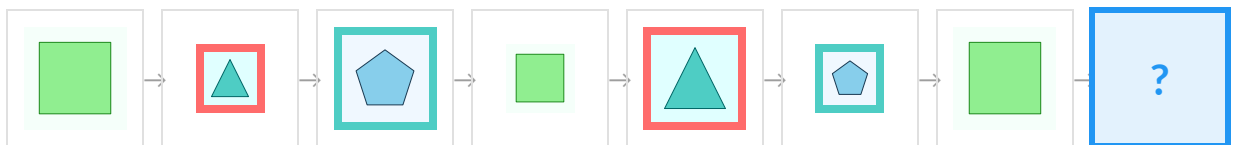
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50.



51.

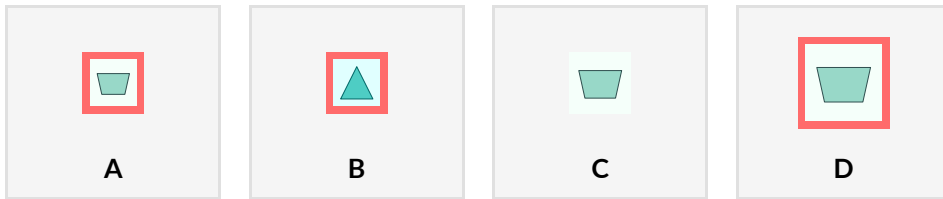
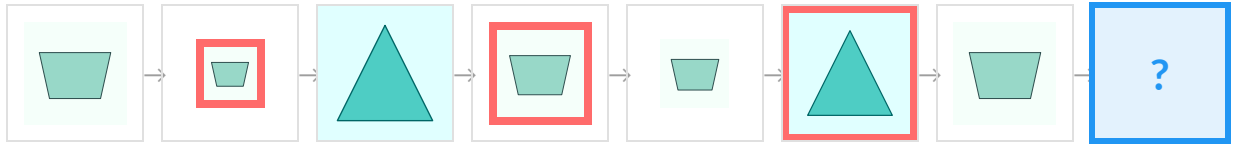


Challenge Series Patterns

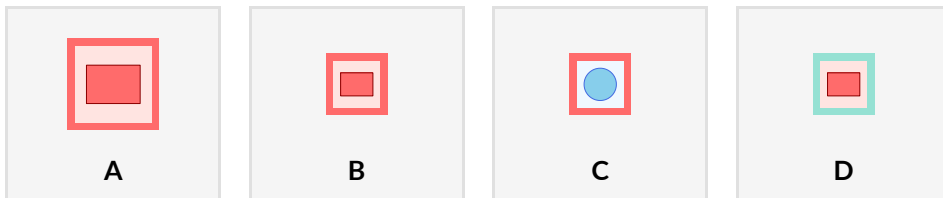
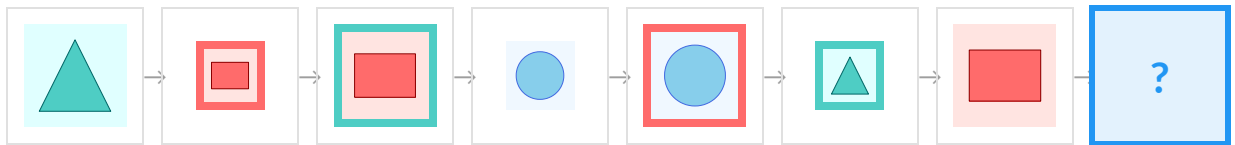
Difficulty: Hard

Complete each pattern by circling the correct shape:

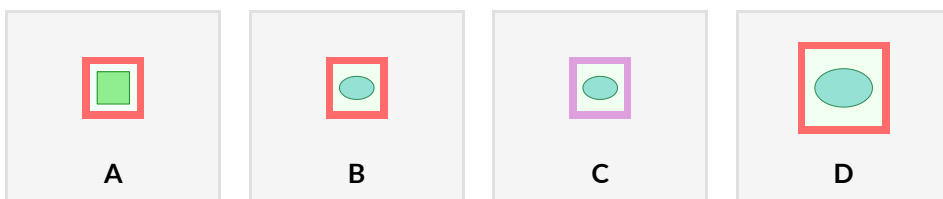
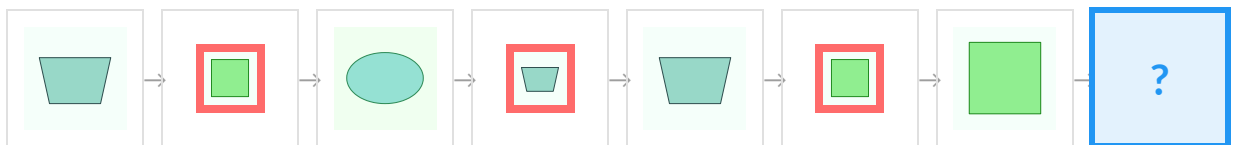
52.



53.



54.

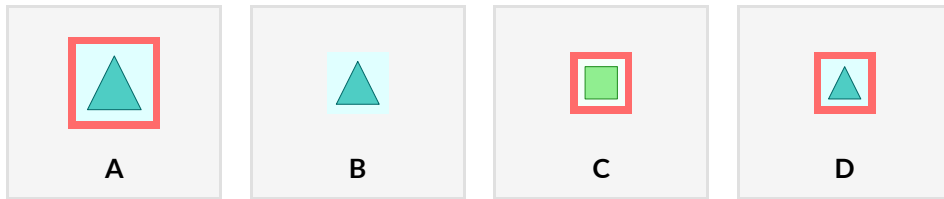
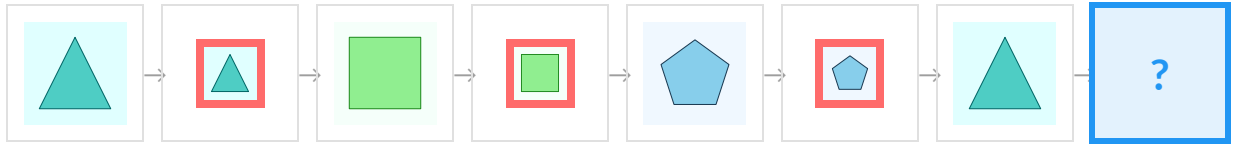


Challenge Series Patterns

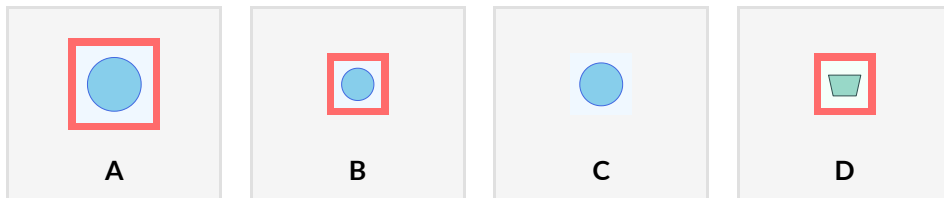
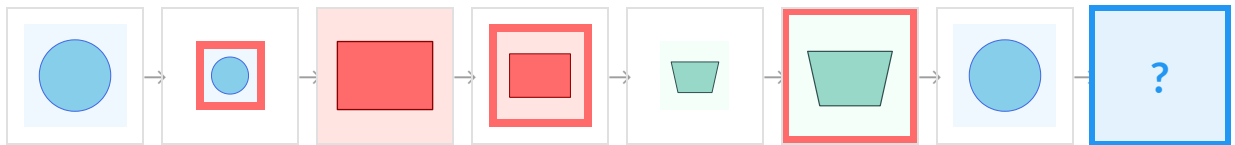
Difficulty: Hard

Complete each pattern by circling the correct shape:

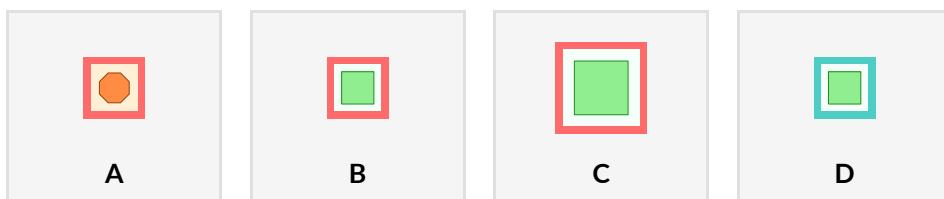
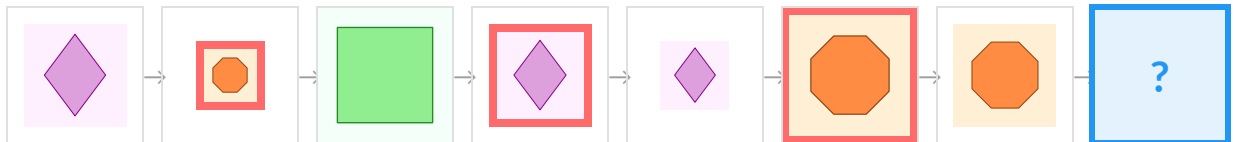
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56.



57.

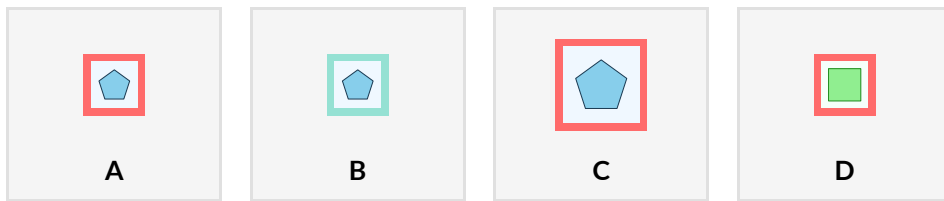
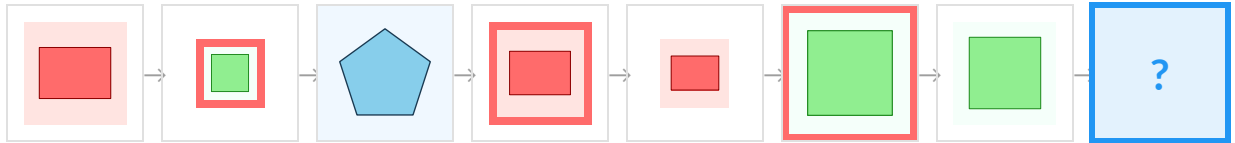


Challenge Series Patterns

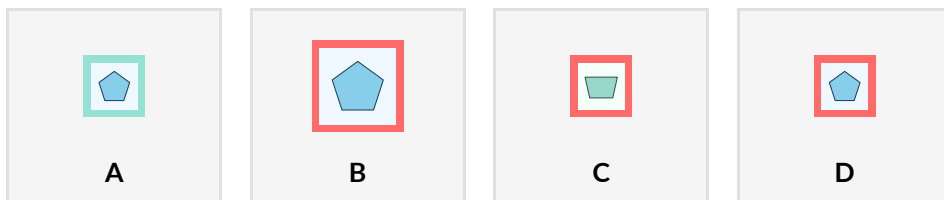
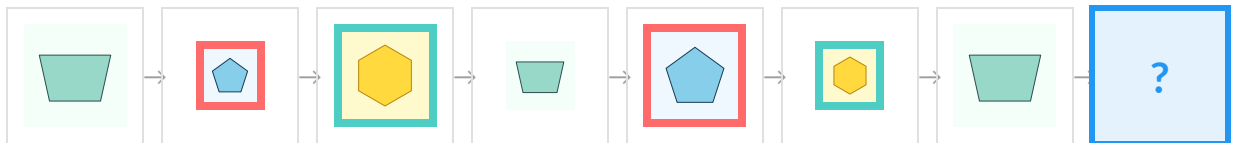
Difficulty: Hard

Complete each pattern by circling the correct shape:

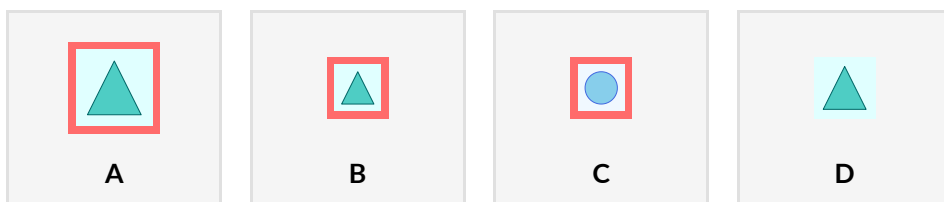
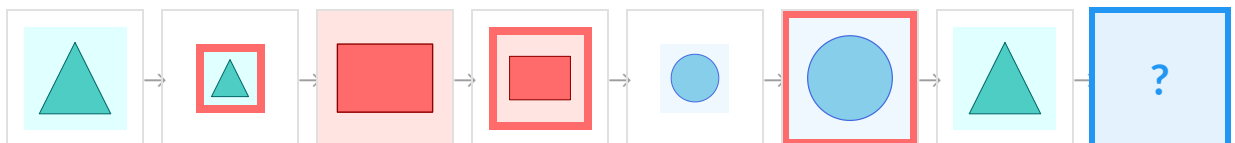
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59.



60.

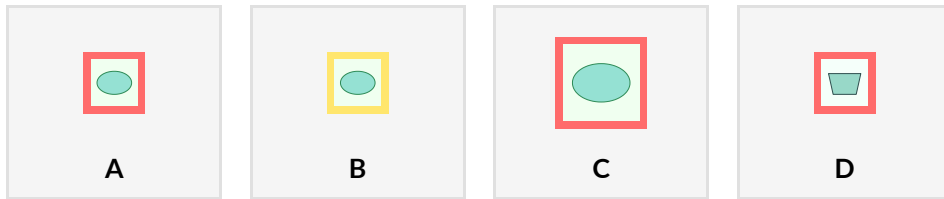
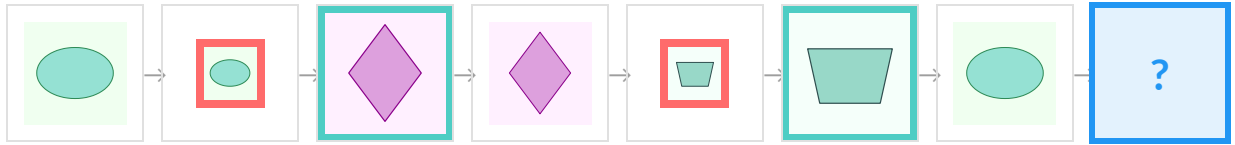


Challenge Series Patterns

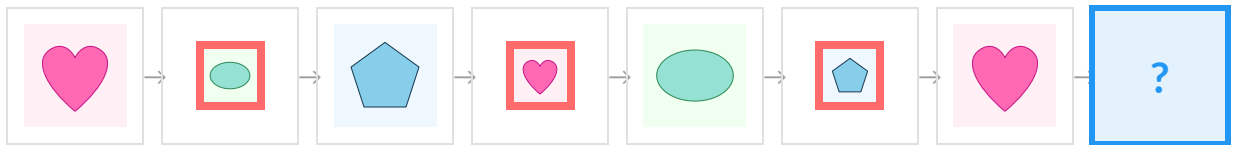
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Complete each pattern by circling the correct shape:

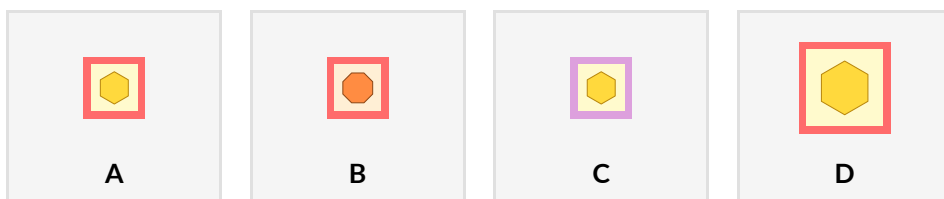
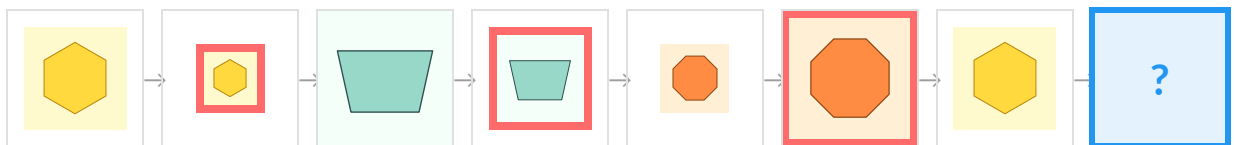
61.



62.



63.

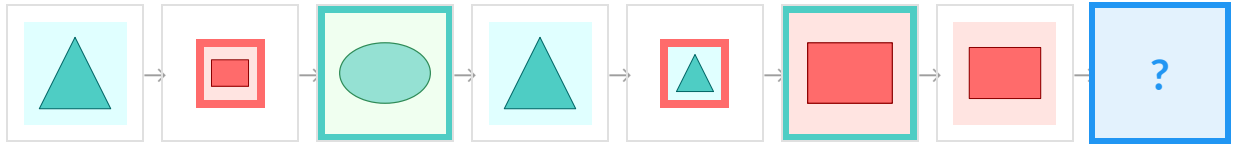


Challenge Series Patterns

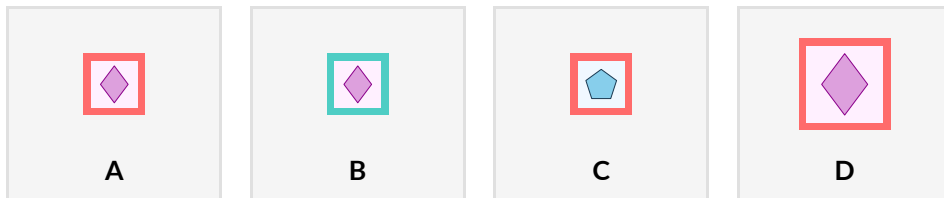
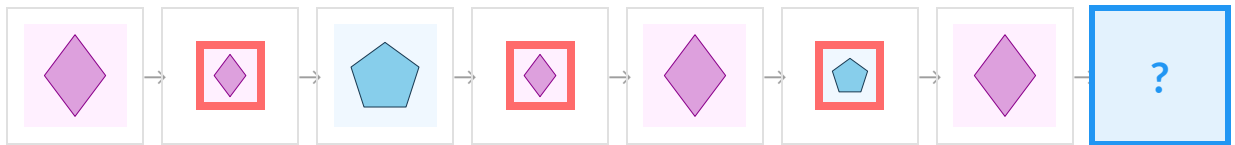
Difficulty: Hard

Complete each pattern by circling the correct shape:

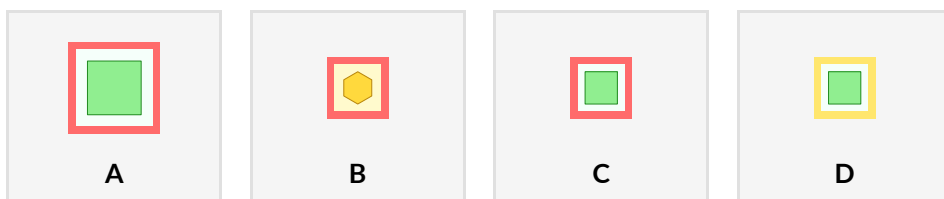
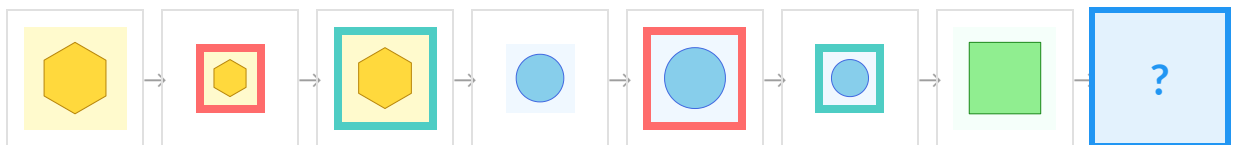
64.



65.



66.

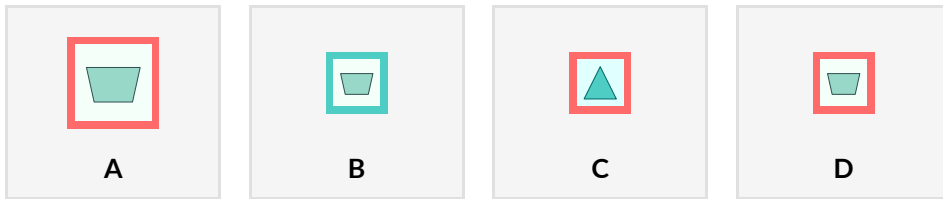
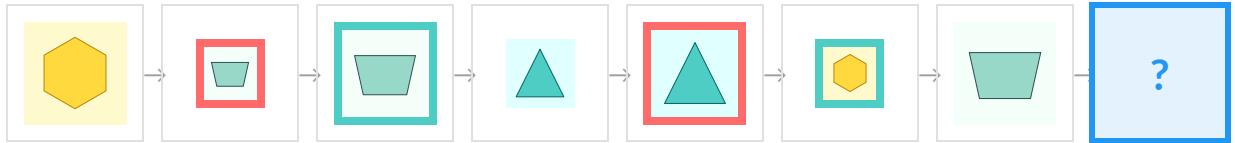


Challenge Series Patterns

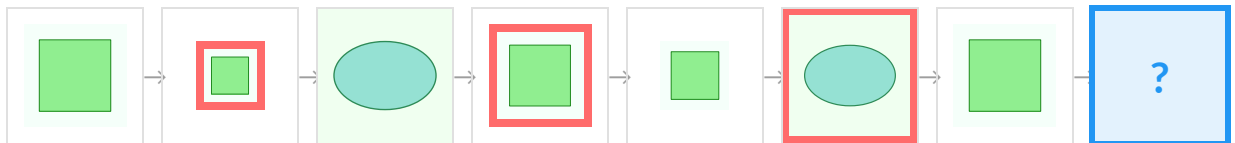
Difficulty: Hard

Complete each pattern by circling the correct shape:

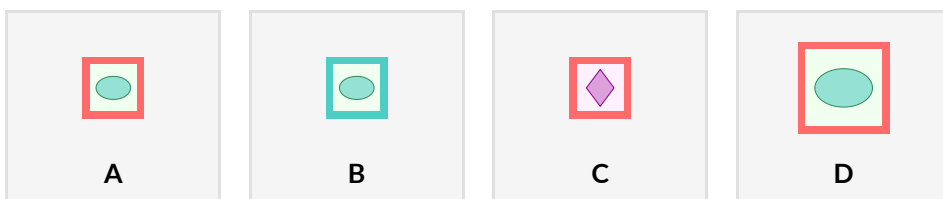
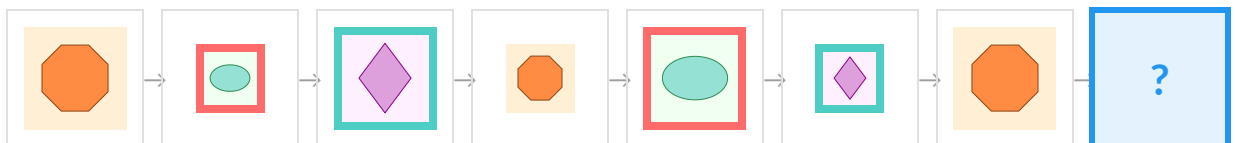
67.



68.



69.

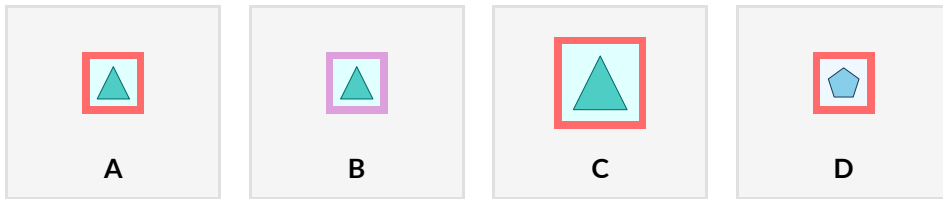
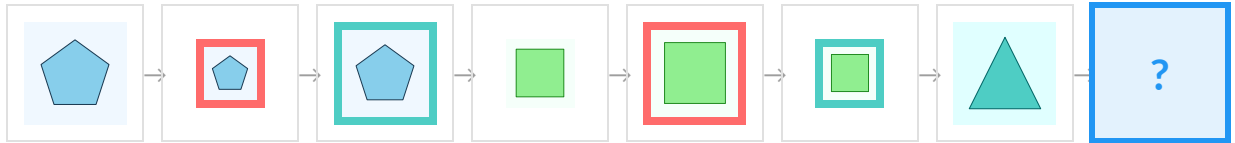


Challenge Series Patterns

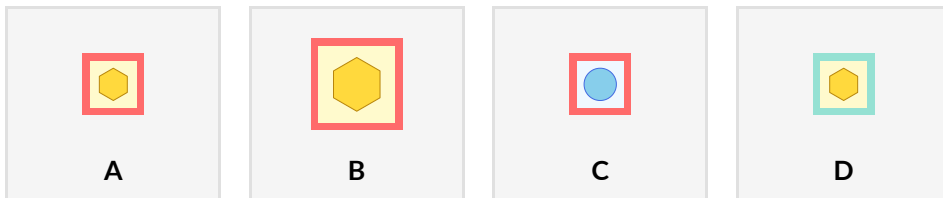
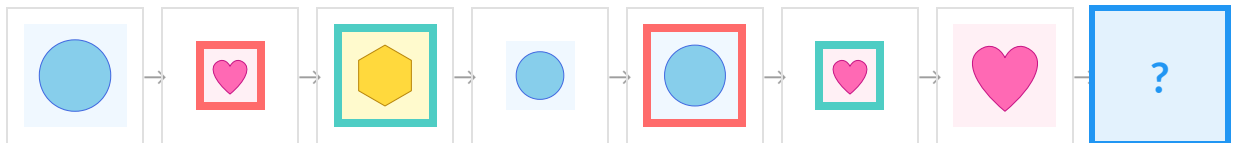
Difficulty: Hard

Complete each pattern by circling the correct shape:

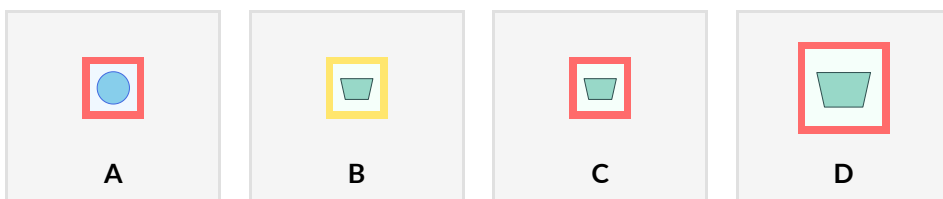
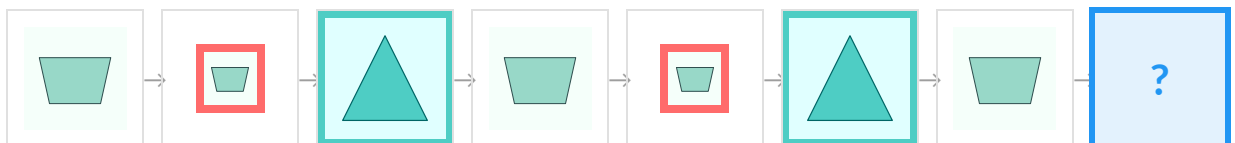
70.



71.



72.

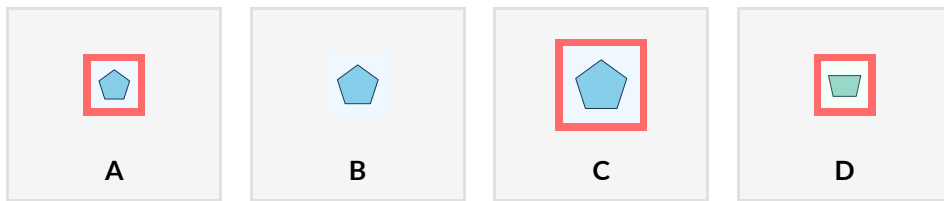
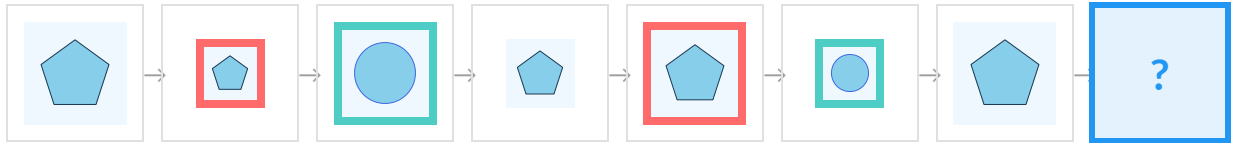


Challenge Series Patterns

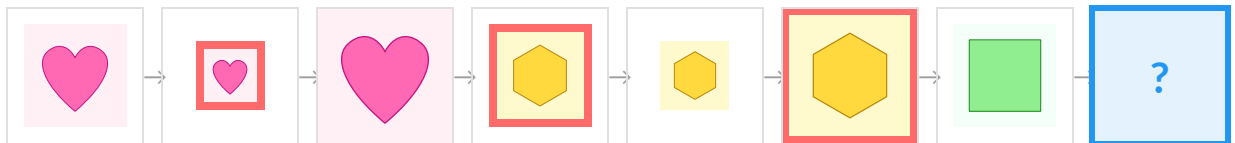
Difficulty: Hard

Complete each pattern by circling the correct shape:

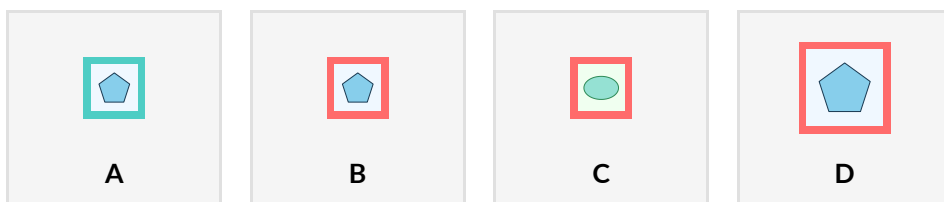
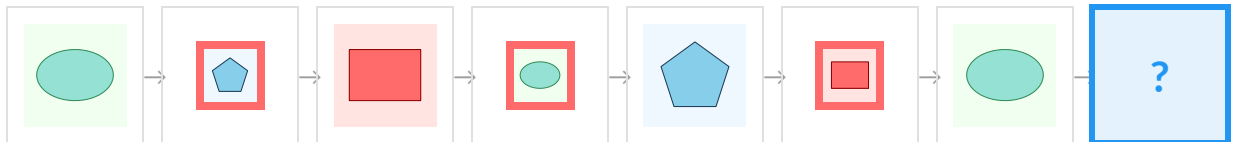
73.



74.



75.

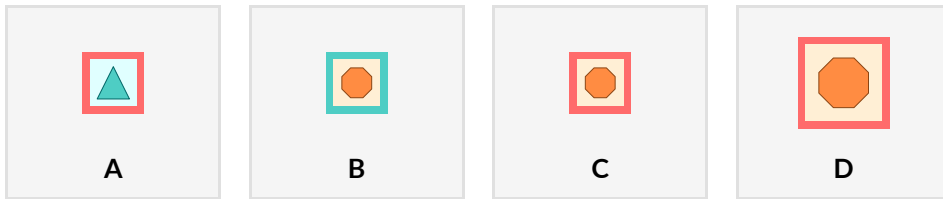
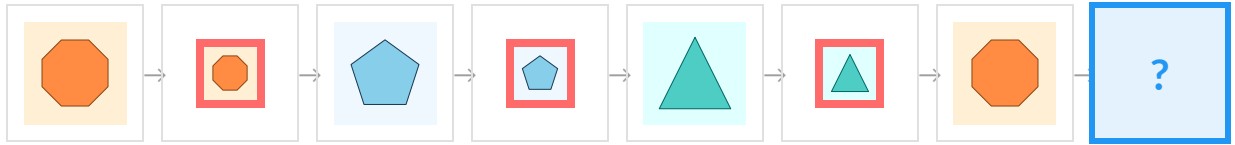


Challenge Series Patterns

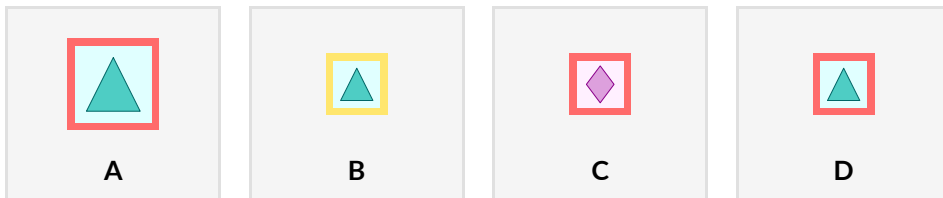
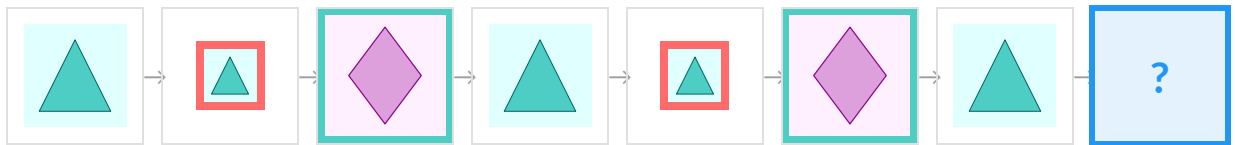
Difficulty: Hard

Complete each pattern by circling the correct shape:

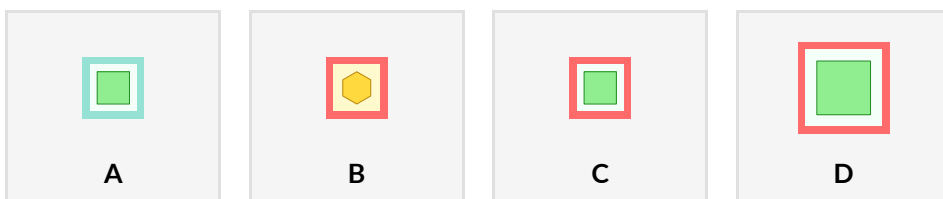
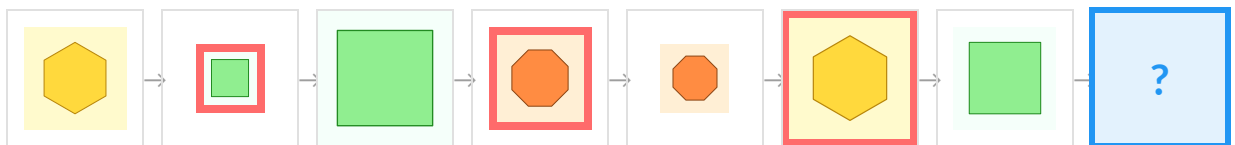
76.



77.



78.

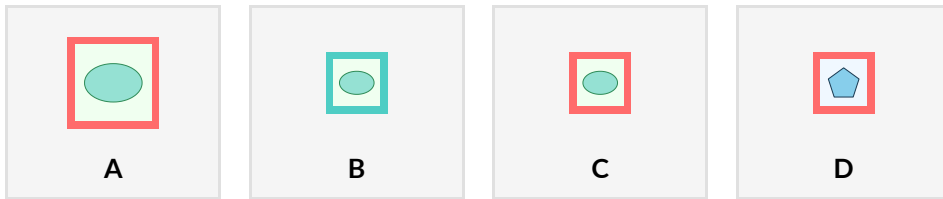
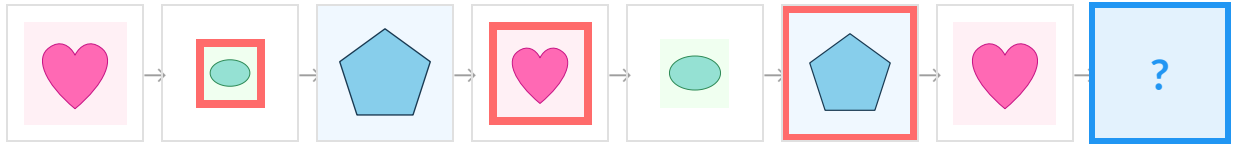


Challenge Series Patterns

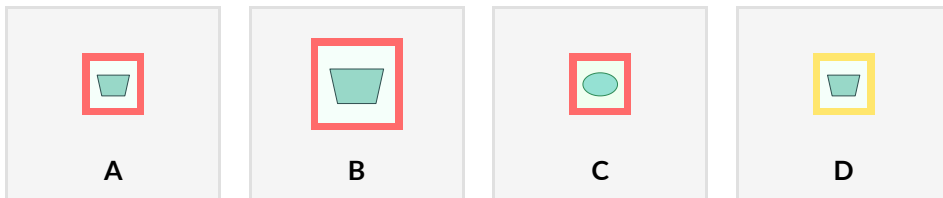
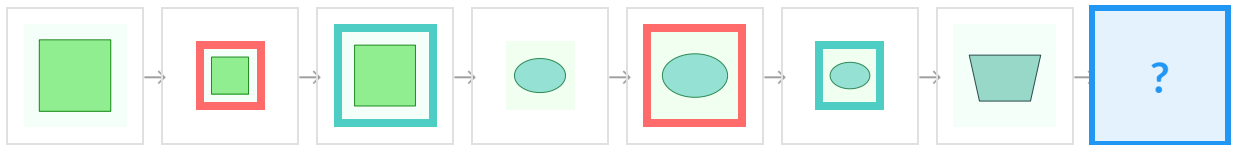
Difficulty: Hard

Complete each pattern by circling the correct shape:

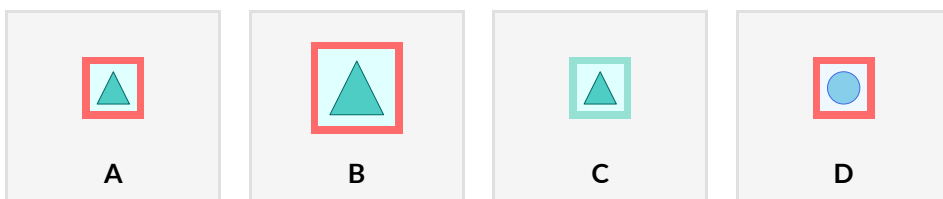
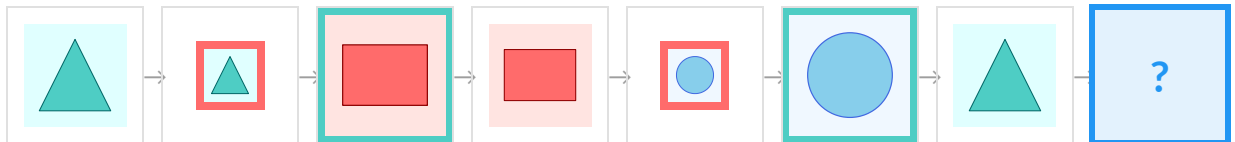
79.



80.



81.

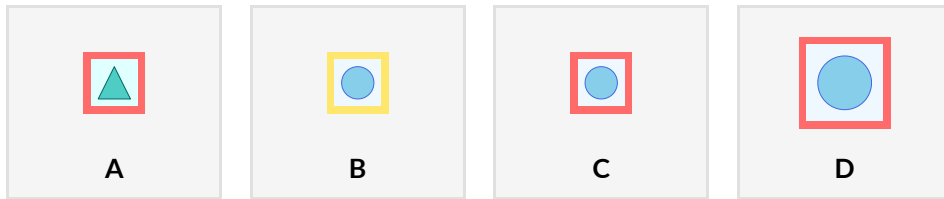
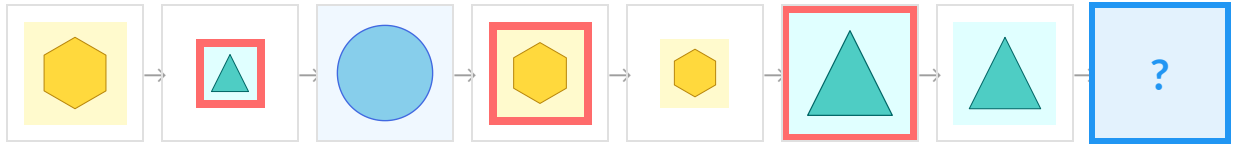


Challenge Series Patterns

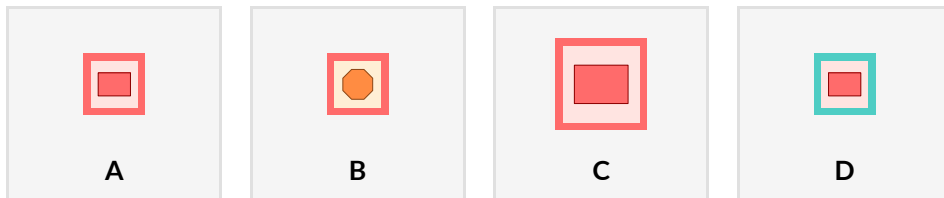
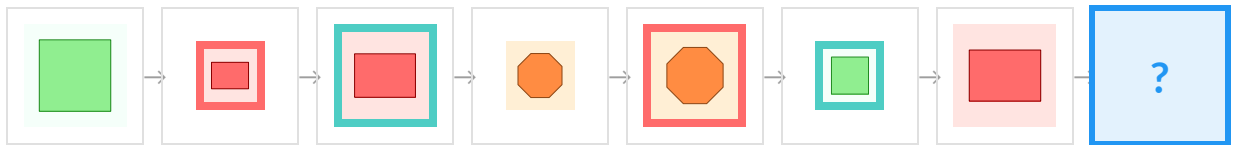
Difficulty: Hard

Complete each pattern by circling the correct shape:

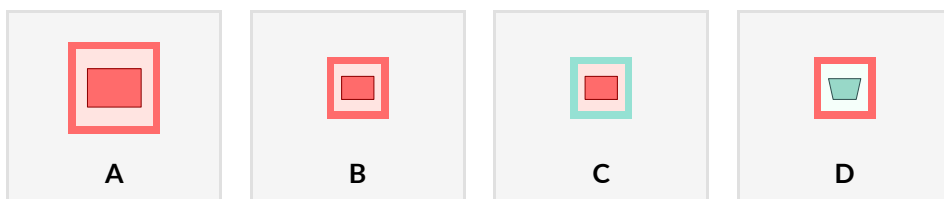
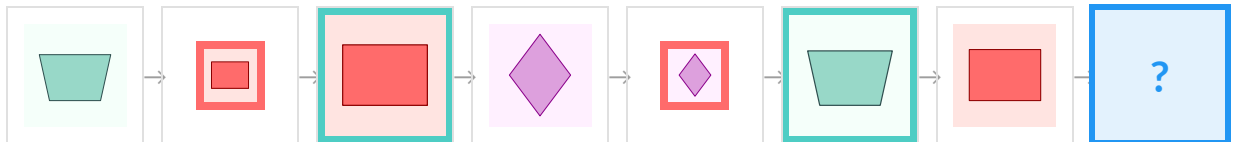
82.



83.



84.

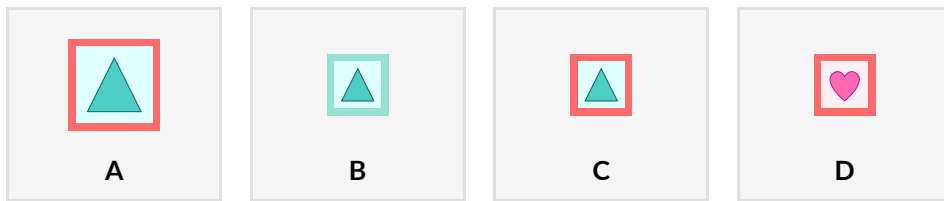
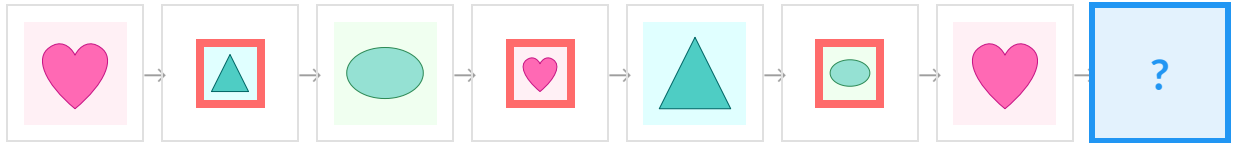


Challenge Series Patterns

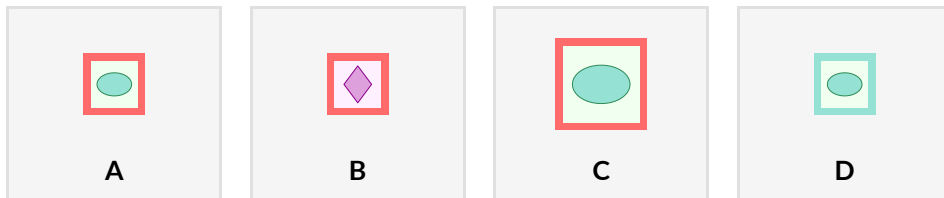
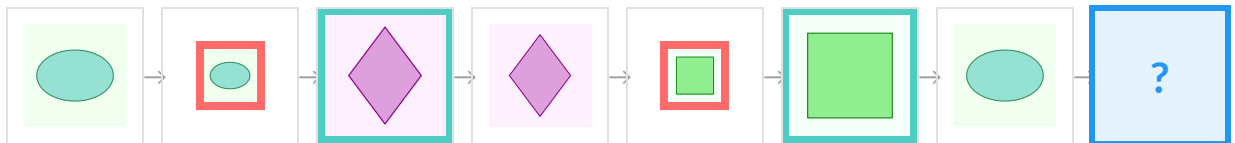
Difficulty: Hard

Complete each pattern by circling the correct shape:

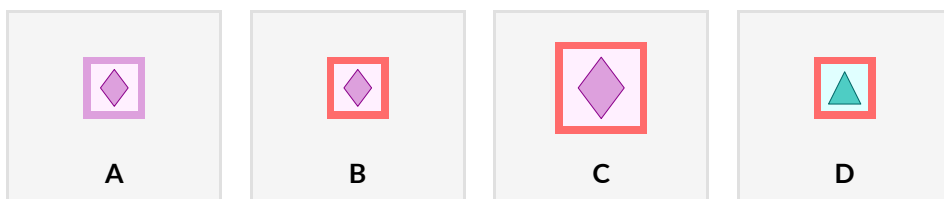
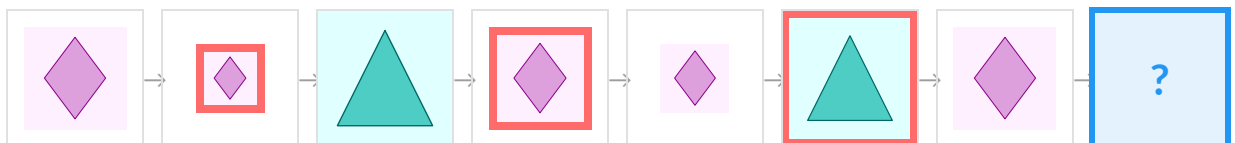
85.



86.



87.

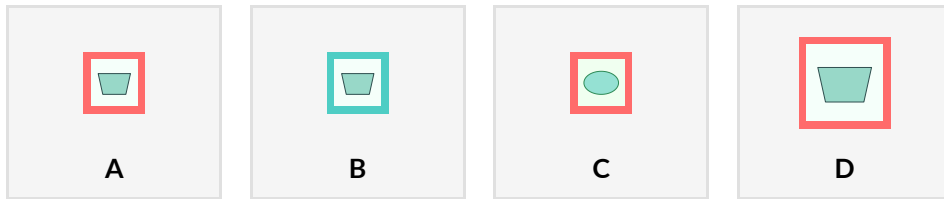
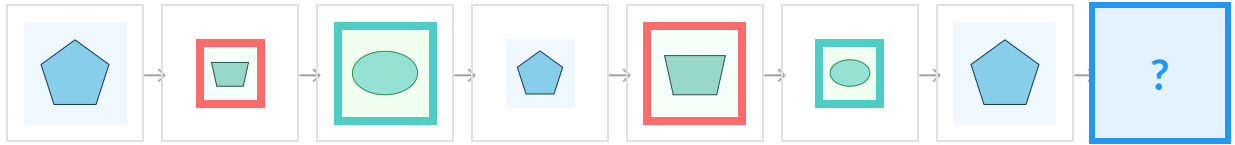


Challenge Series Patterns

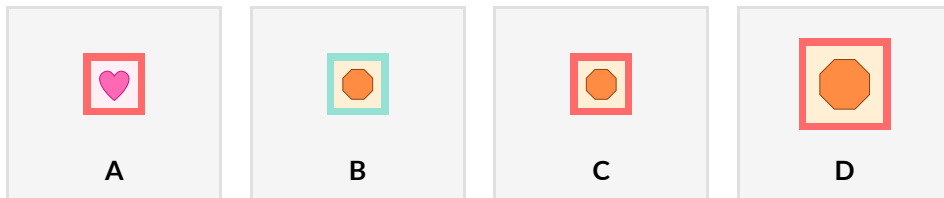
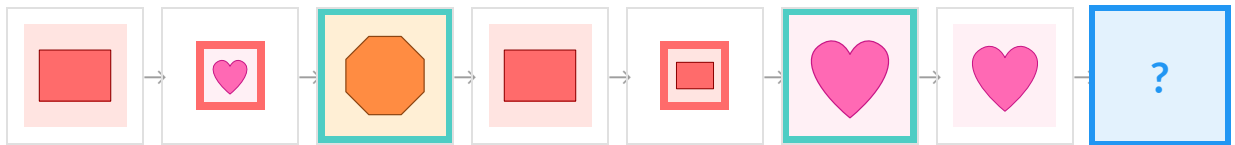
Difficulty: Hard

Complete each pattern by circling the correct shape:

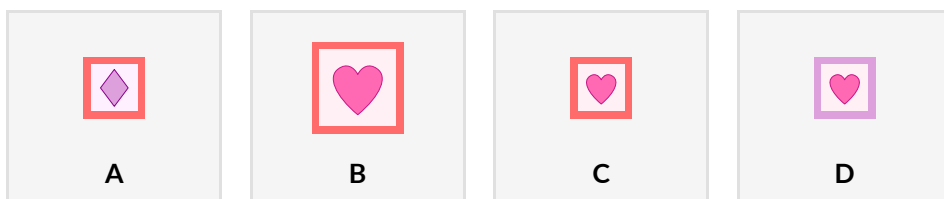
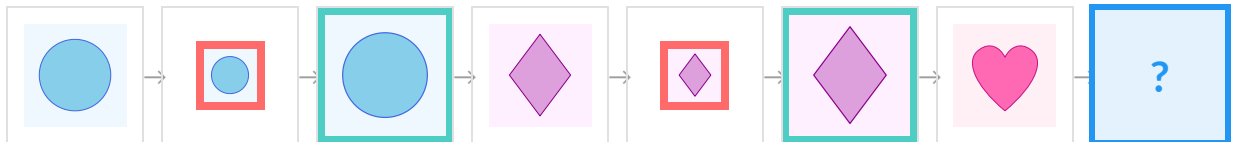
88.



89.



90.

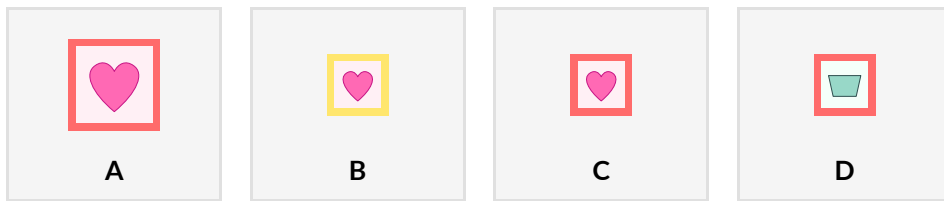
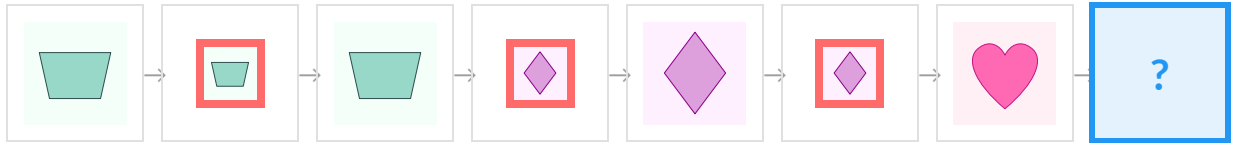


Challenge Series Patterns

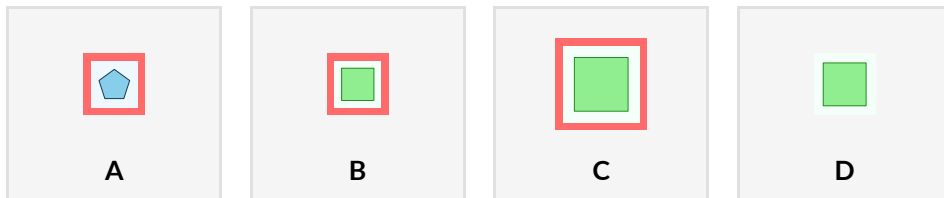
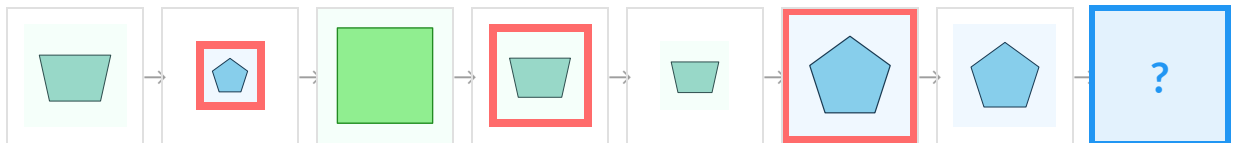
Difficulty: Hard

Complete each pattern by circling the correct shape:

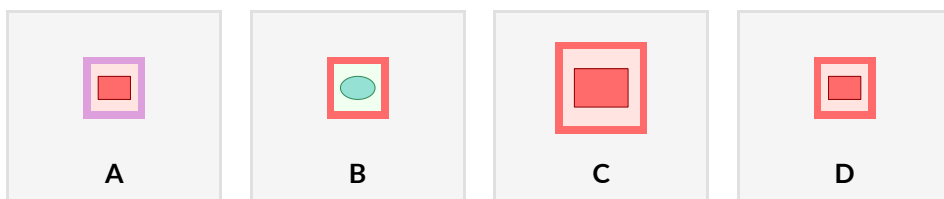
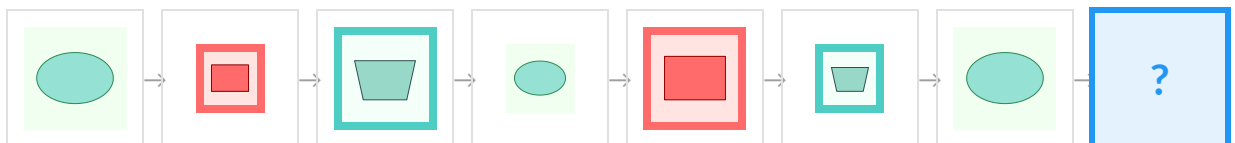
91.



92.



93.

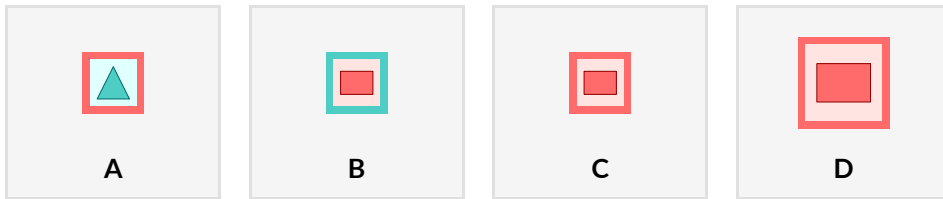
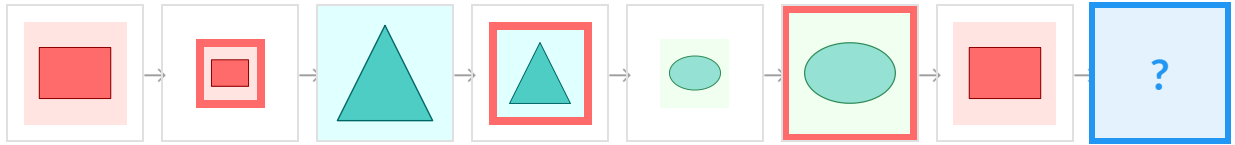


Challenge Series Patterns

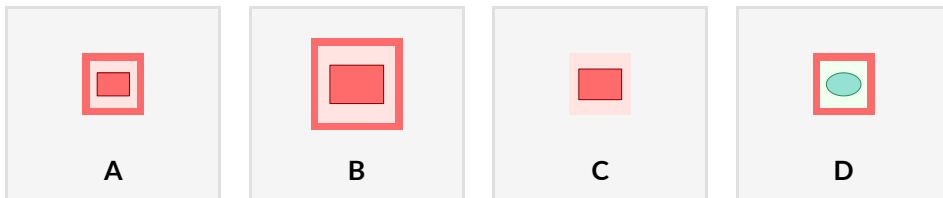
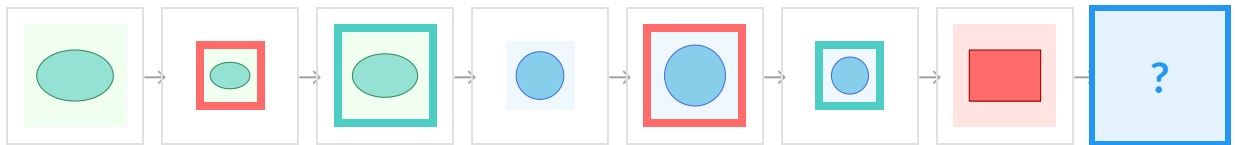
Difficulty: Hard

Complete each pattern by circling the correct shape:

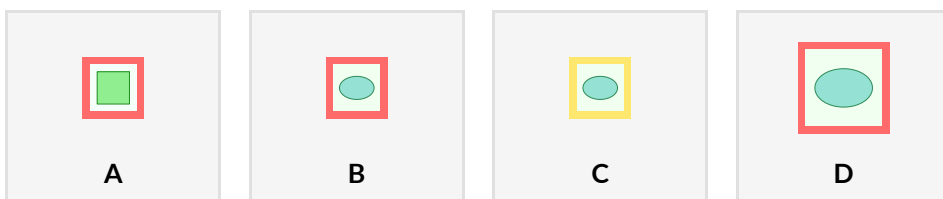
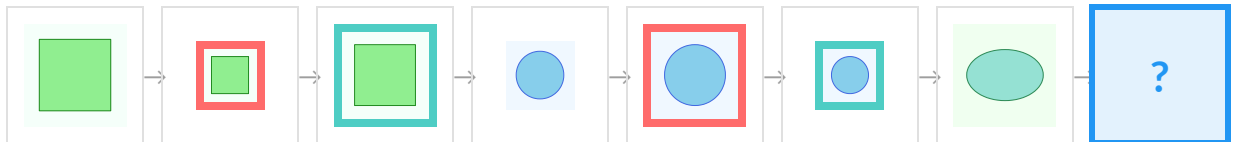
94.



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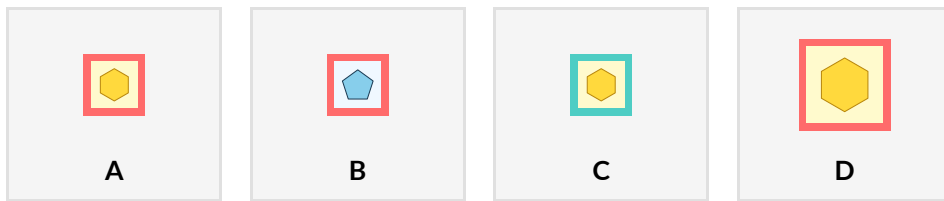
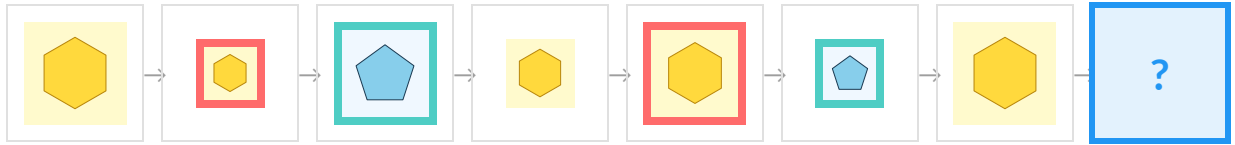


Challenge Series Patterns

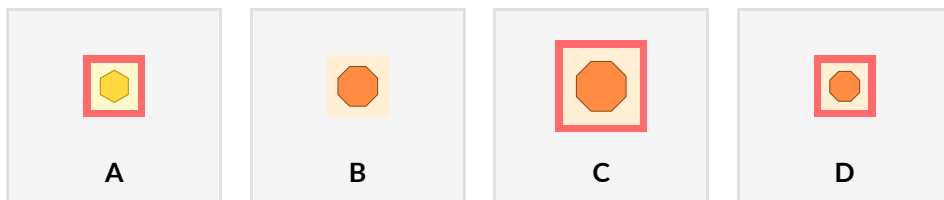
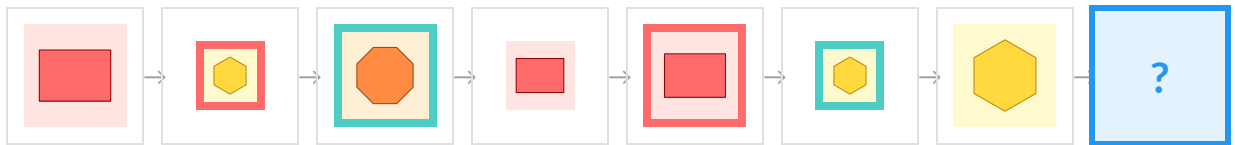
Difficulty: Hard

Complete each pattern by circling the correct shape:

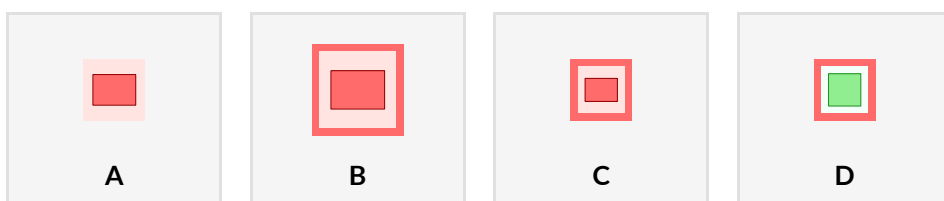
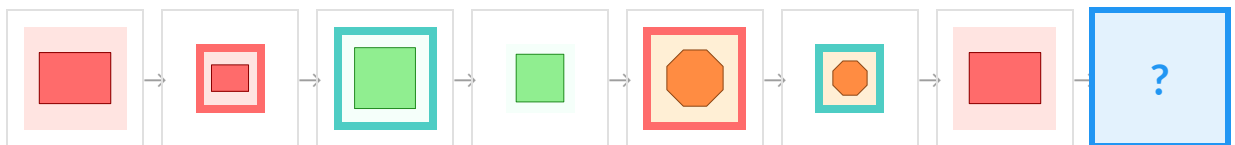
97.



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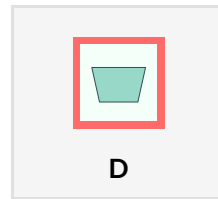
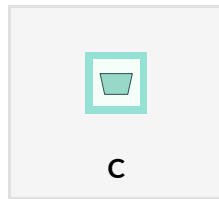
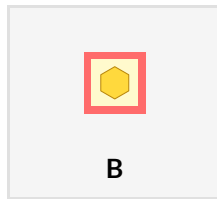
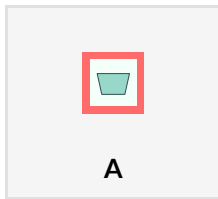
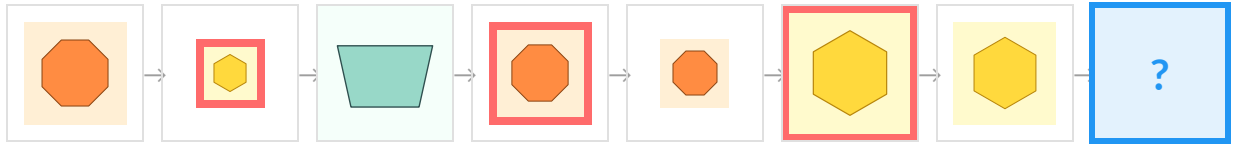


Challenge Series Patterns

Difficulty: Hard

Complete each pattern by circling the correct shape:

100.



Answer Key

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

Answer Key

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

Answer Key

69	Alternating	A	Oval (Small, Red)
70	TripleRepeat	A	Triangle (Small, Red)
71	Growing	A	Hexagon (Small, Red)
72	Stutter	C	Trapezium (Small, Red)
73	Stutter	A	Pentagon (Small, Red)
74	TripleRepeat	A	Square (Small, Red)
75	Sequence	B	Pentagon (Small, Red)
76	DoubleRepeat	C	Octagon (Small, Red)
77	Stutter	D	Triangle (Small, Red)
78	ComplexRepeat	C	Square (Small, Red)
79	Sequence	C	Oval (Small, Red)
80	TripleRepeat	A	Trapezium (Small, Red)
81	DoubleRepeat	A	Triangle (Small, Red)
82	Growing	C	Circle (Small, Red)
83	ComplexRepeat	A	Rectangle (Small, Red)
84	ComplexRepeat	B	Rectangle (Small, Red)
85	Sequence	C	Triangle (Small, Red)
86	DoubleRepeat	A	Oval (Small, Red)
87	Stutter	B	Diamond (Small, Red)
88	Alternating	A	Trapezium (Small, Red)
89	Growing	C	Octagon (Small, Red)
90	TripleRepeat	C	Heart (Small, Red)
91	TripleRepeat	C	Heart (Small, Red)
92	Growing	B	Square (Small, Red)
93	Alternating	D	Rectangle (Small, Red)
94	DoubleRepeat	C	Rectangle (Small, Red)
95	TripleRepeat	A	Rectangle (Small, Red)
96	TripleRepeat	B	Oval (Small, Red)
97	Stutter	A	Hexagon (Small, Red)
98	Growing	D	Octagon (Small, Red)
99	DoubleRepeat	C	Rectangle (Small, Red)
100	Growing	A	Trapezium (Small, Red)