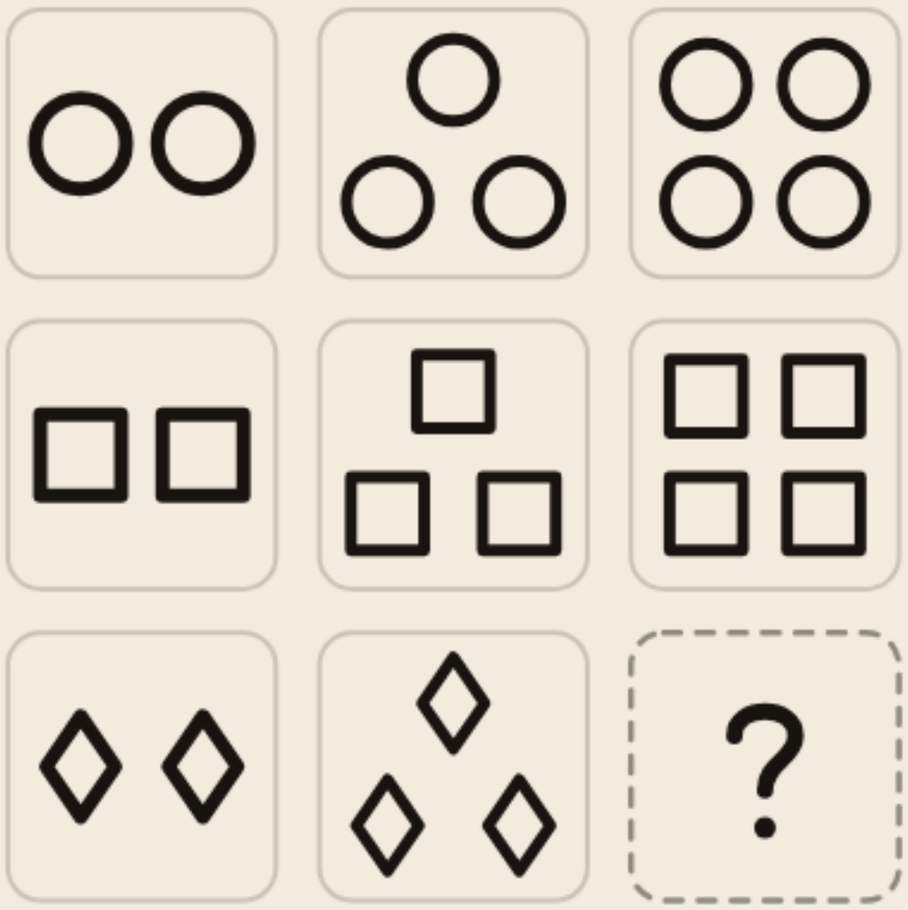
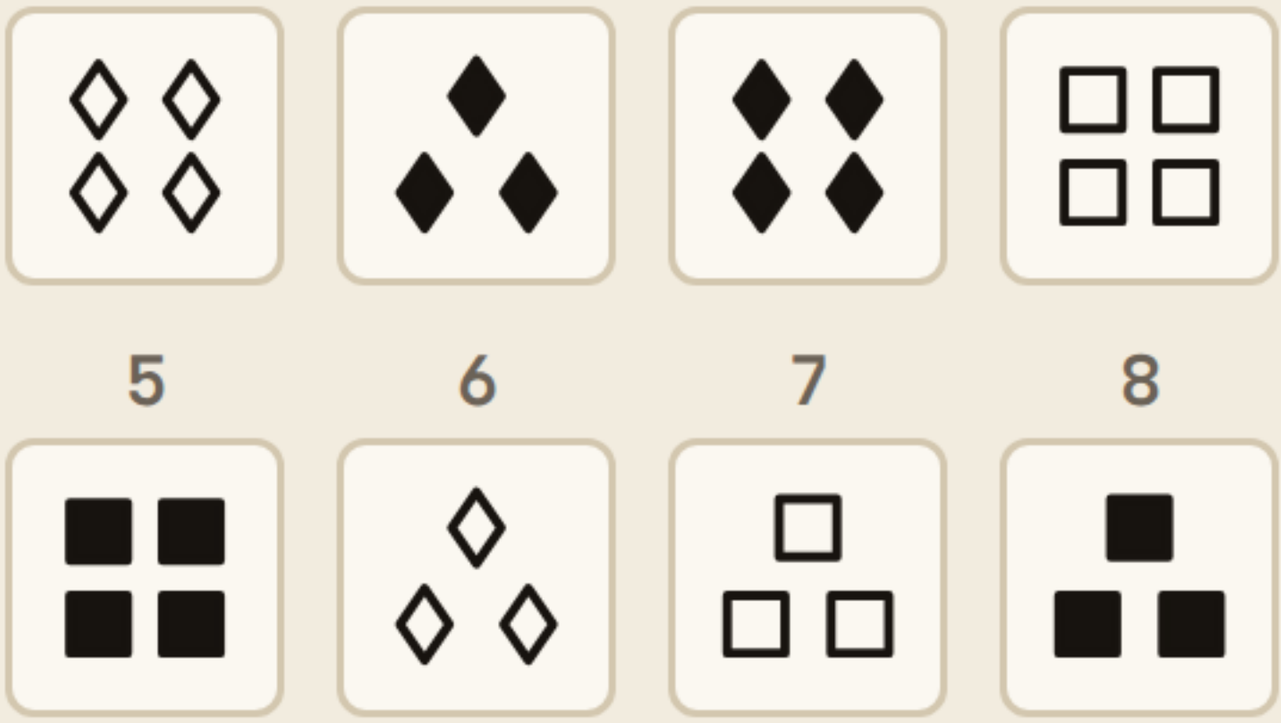
Which tile completes the grid?



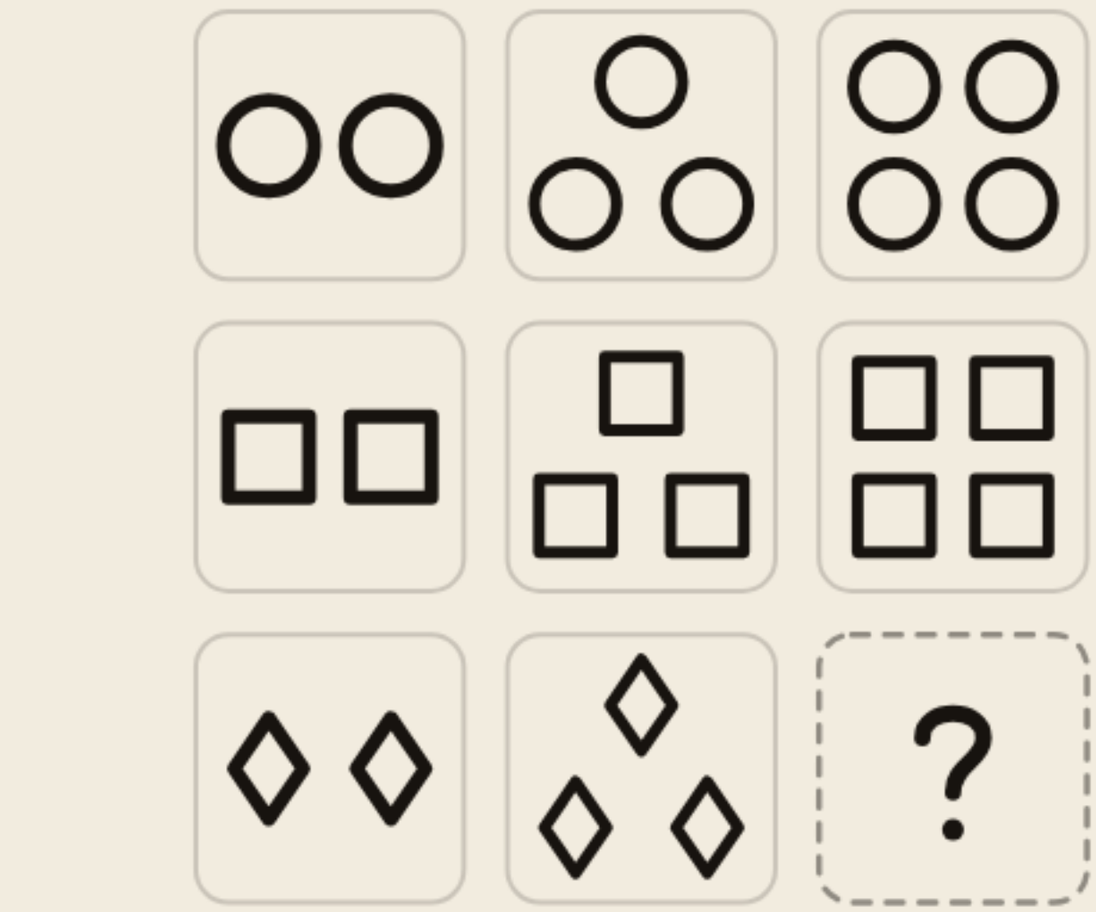
1 2 3 4



5 6 7 8

ANSWER ON THE NEXT CARD

Which tile completes the grid?



1 2 3 4

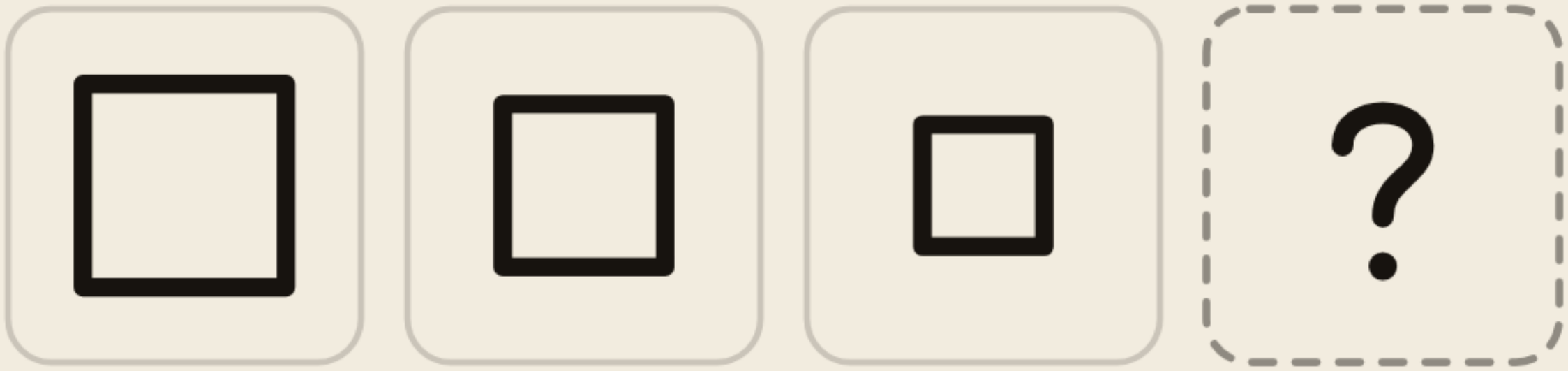


5 6 7 8

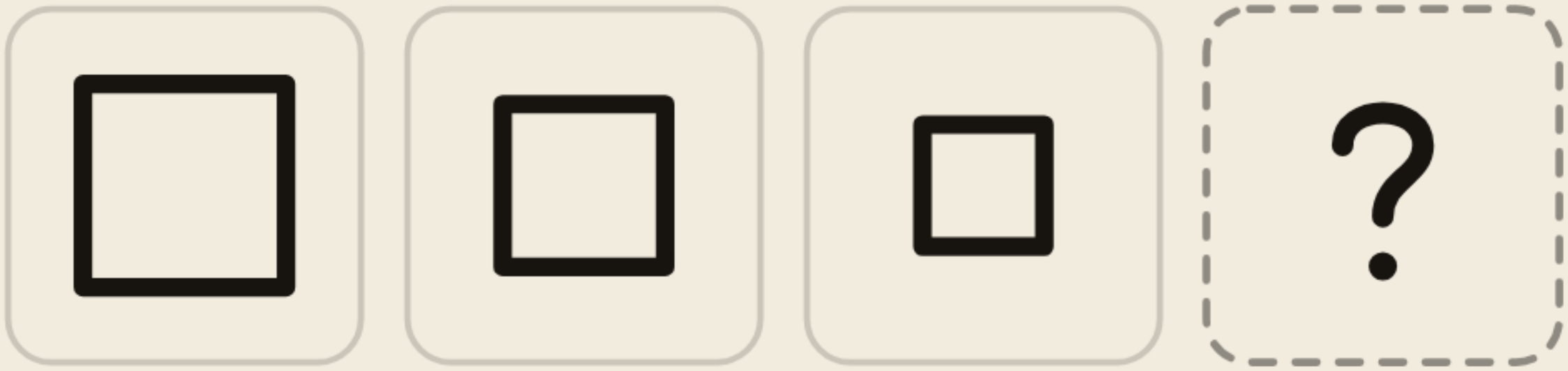
Answer: option 1

Each row has its own shape: circle in the first row, square in the second row, diamond in the third row. Across each row the number of shapes goes two, three and four.

Which tile comes next?



Which tile comes next?



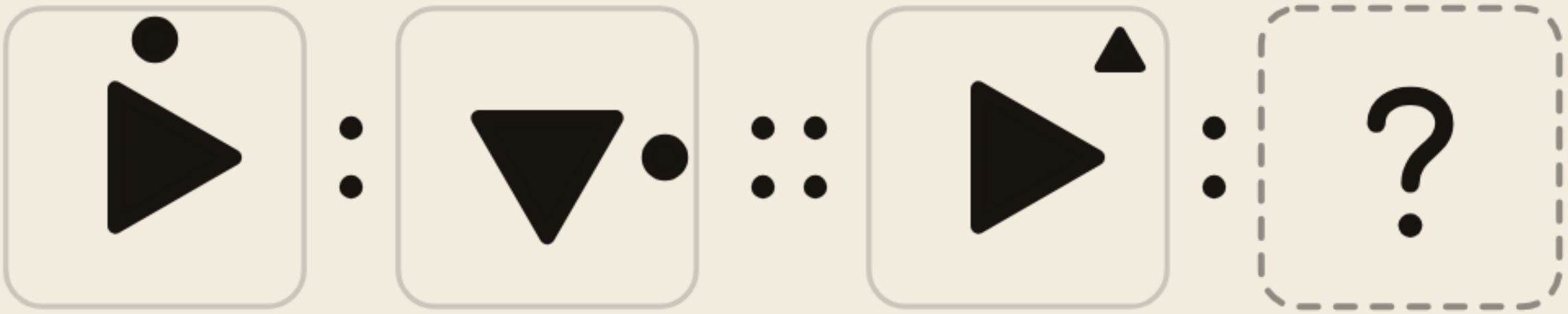
1 2 3

4 5 6

Answer: option 5

From tile to tile, the square gets smaller.

Which tile completes the second pair?



1



2



3



4



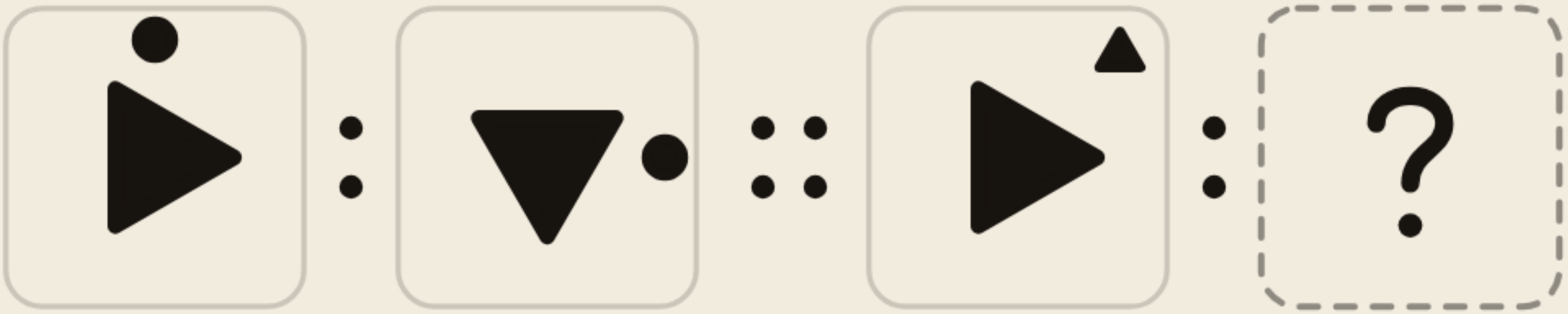
5

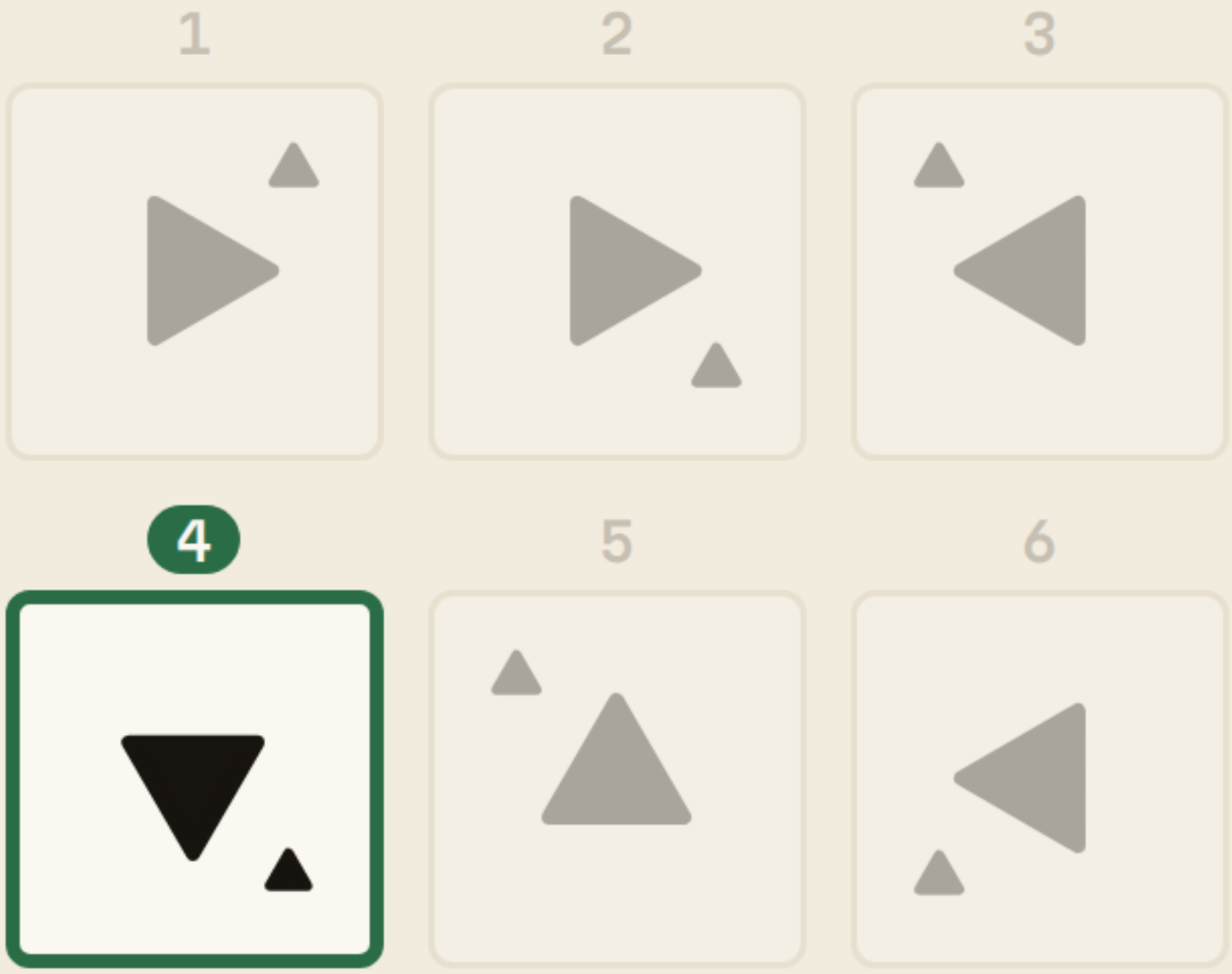


6



Which tile completes the second pair?





Answer: option 4

The whole figure turns a quarter turn clockwise.

Which number comes next?

12, 21, 30, 39, 48, ?

1
56

2
39

3
66

4
49

5
58

6
57

Which number comes next?

12, 21, 30, 39, 48, ?

1
56

2
39

3
66

4
49

5
58

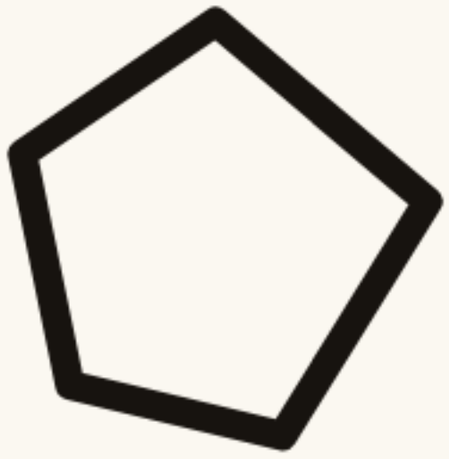
6
57

Answer: option 6

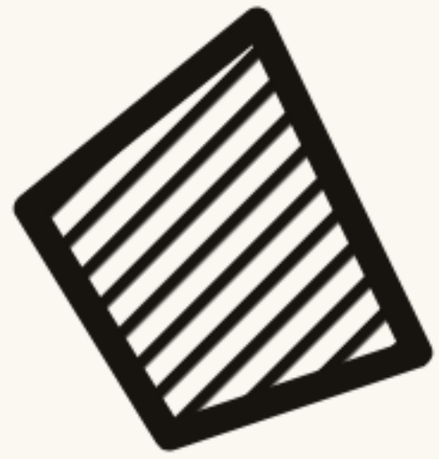
Each number is 9 more than the one before.

Which one does not belong?

1



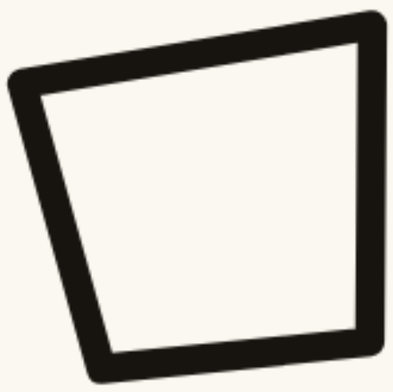
2



3



4



5

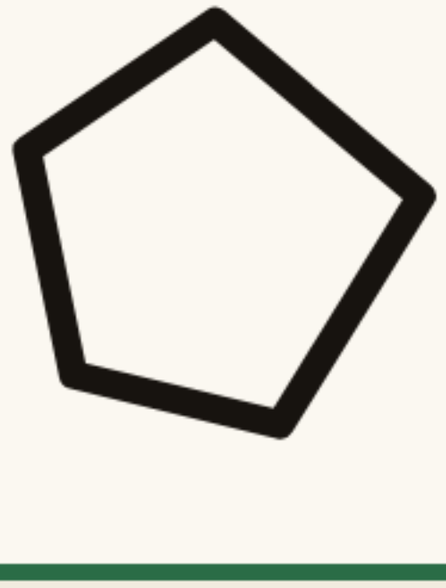


6



Which one does not belong?

1



2



3



4



5



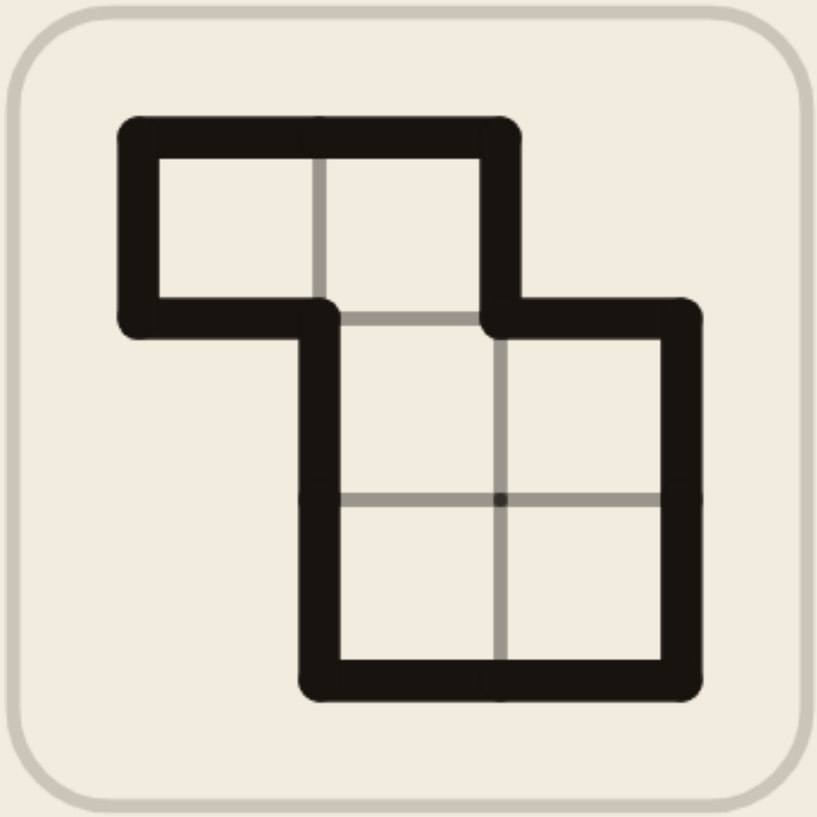
6



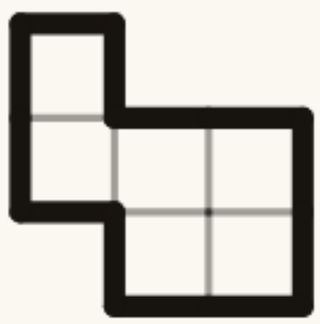
Answer: option 1

Five figures have four sides. Size, angle and fill do not matter.

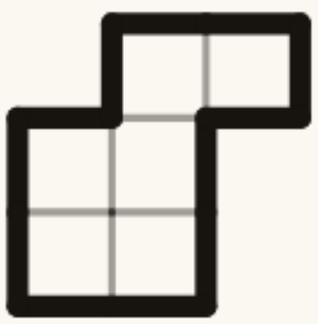
Which option is the same shape, only rotated?



1



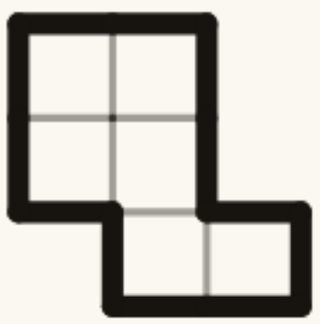
2



3

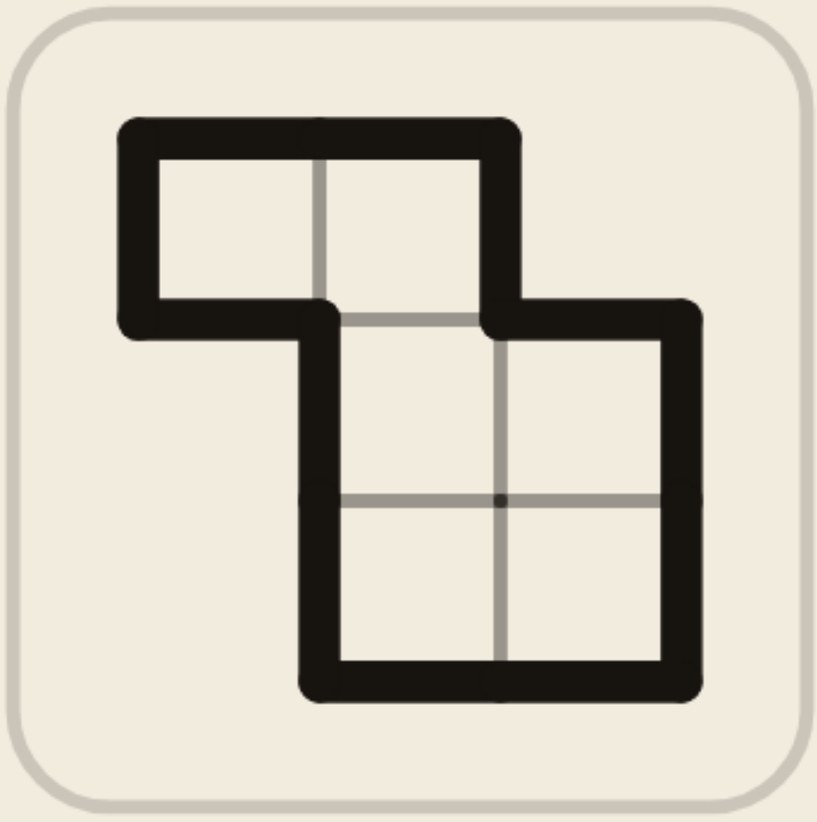


4



ANSWER ON THE NEXT CARD

Which option is the same shape, only rotated?



1



2



3



4



Answer: option 4

The right option is the same figure turned in the page, not flipped over. A mirror image can never be turned to match the original.

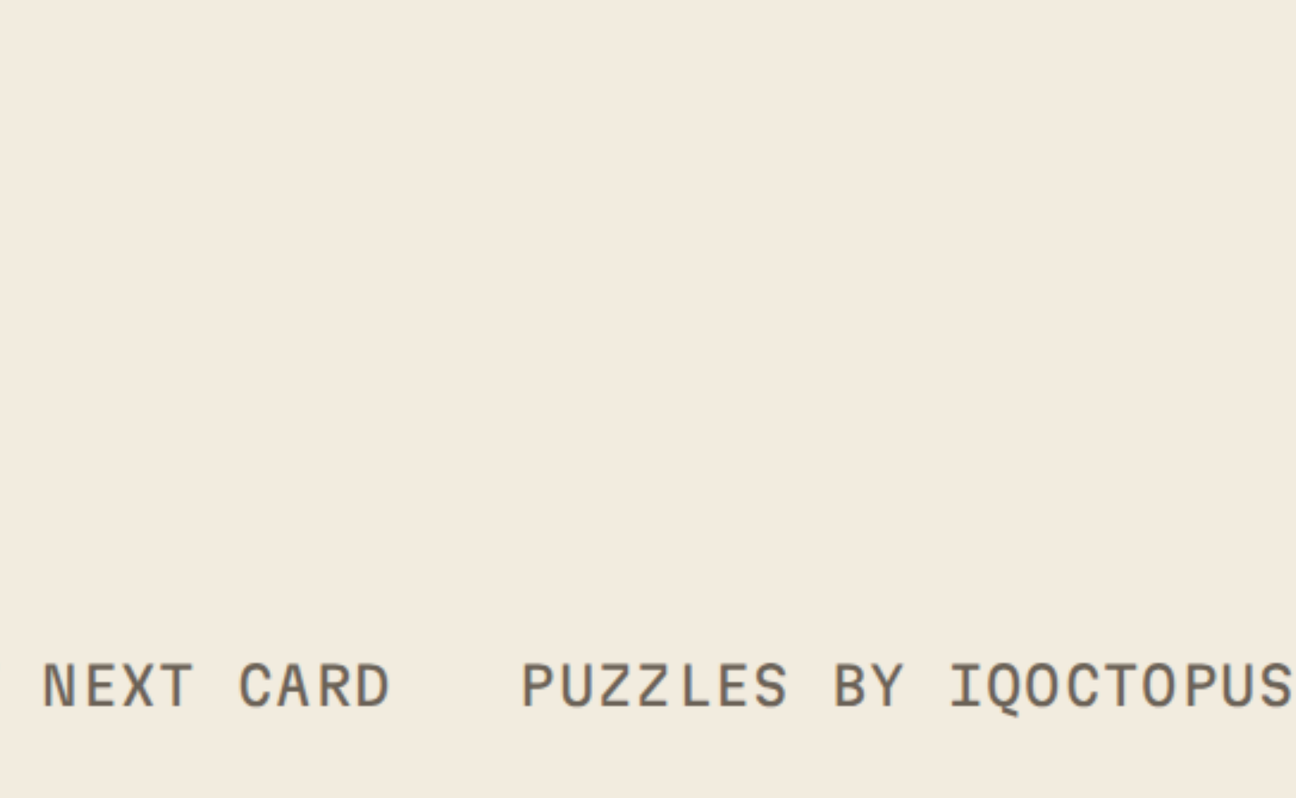
Which tile completes the grid?



1 2 3 4



5 6 7 8

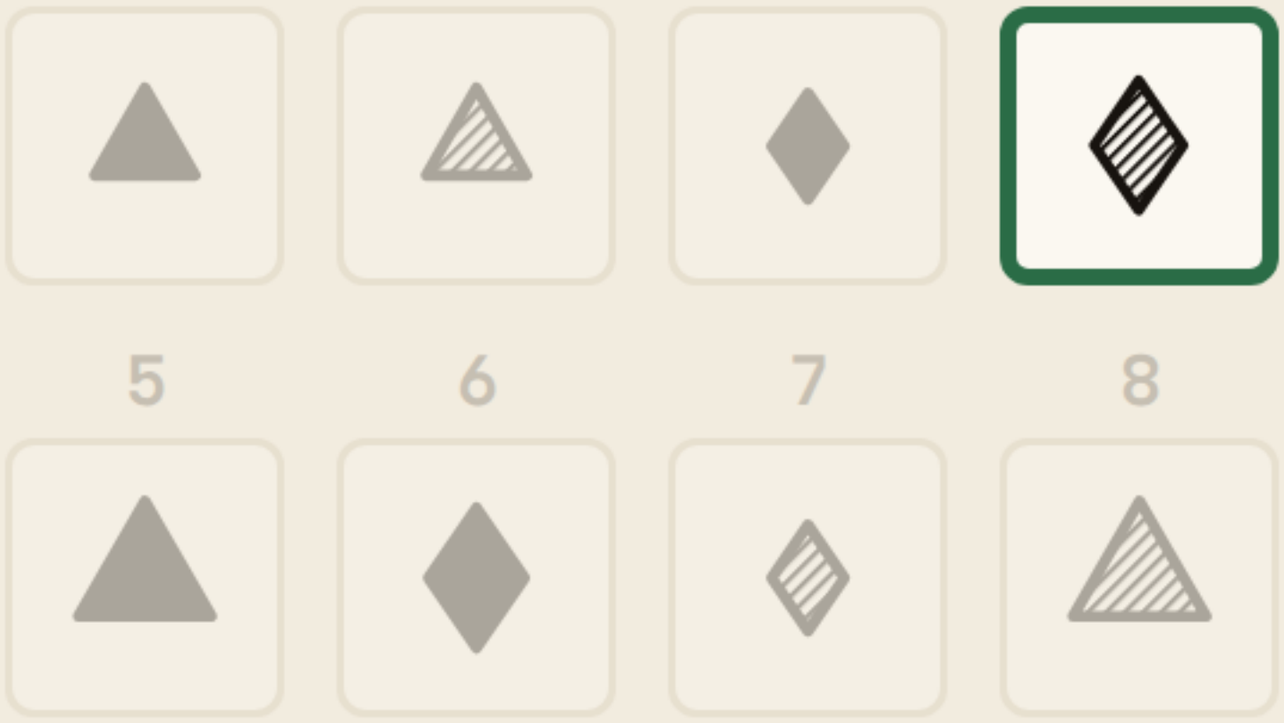


ANSWER ON THE NEXT CARD

Which tile completes the grid?



1 2 3 4

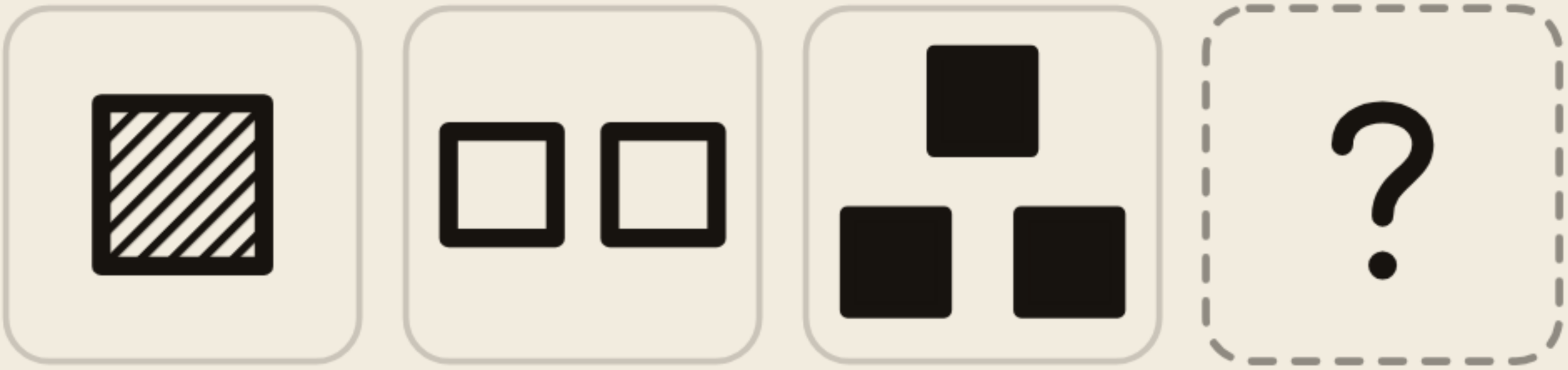


5 6 7 8

Answer: option 4

Every row and every column contains each shape (triangle, diamond and square) exactly once. Every row and every column contains each fill (hatched, outline and solid) exactly once.

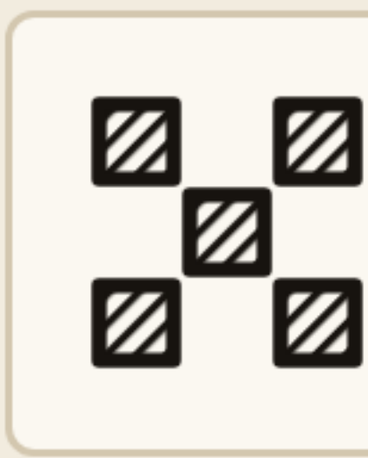
Which tile comes next?



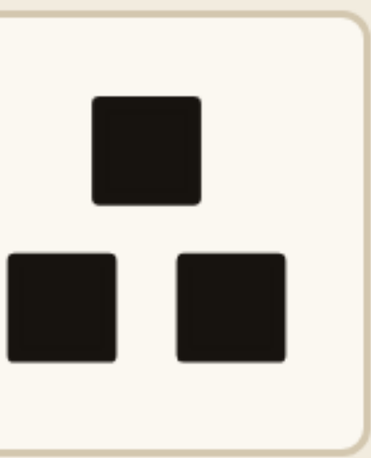
1



2



3



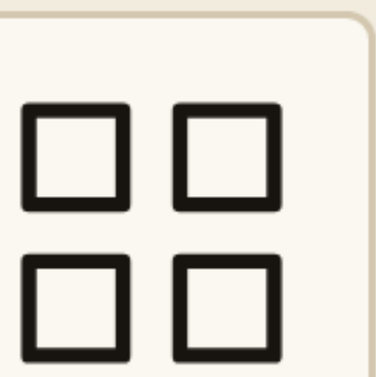
4



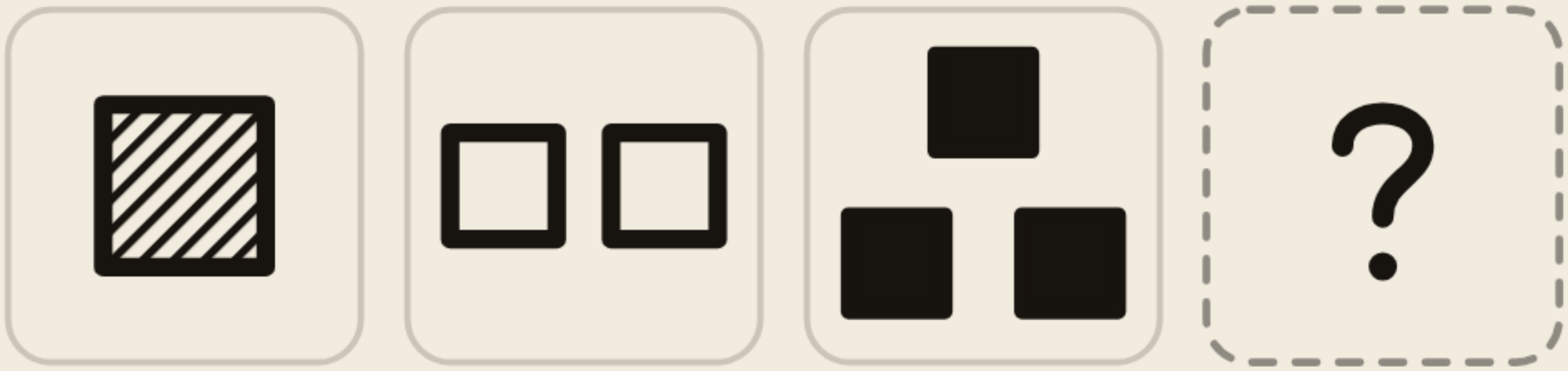
5



6



Which tile comes next?



1

2

3

4

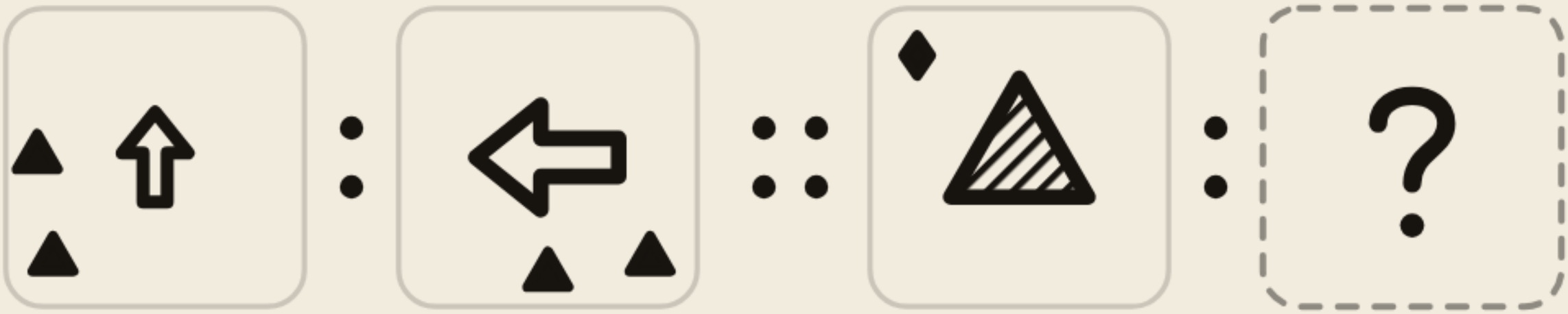
5

6

Answer: option 1

From tile to tile, one more square is added. The fill cycles hatched, outline and solid, then starts again.

Which tile completes the second pair?



1



2



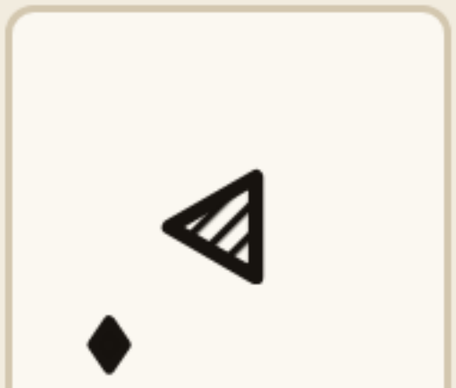
3



4



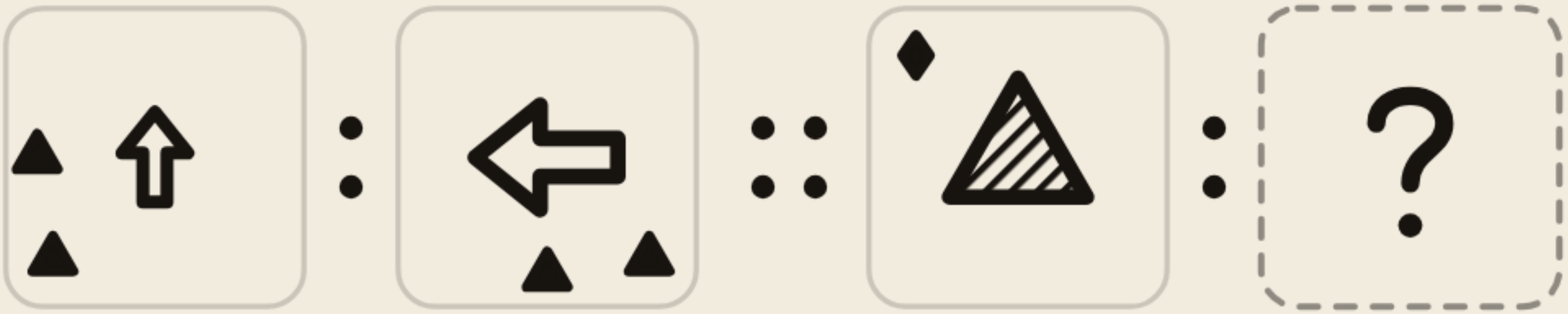
5



6



Which tile completes the second pair?



1



2



3



4



5



6



Answer: option 5

The whole figure turns a quarter turn counterclockwise. The main shape grows.

Which number comes next?

1, 5, 13, 29, 61, 125, ?

1

189

2

254

3

253

4

250

5

252

6

193

ANSWER ON THE NEXT CARD

Which number comes next?

1, 5, 13, 29, 61, 125, ?

1. 189
2. 254
3. 253 ✓
4. 250
5. 252
6. 193

Answer: option 3

The gaps between the numbers double each time.

Which one does not belong?

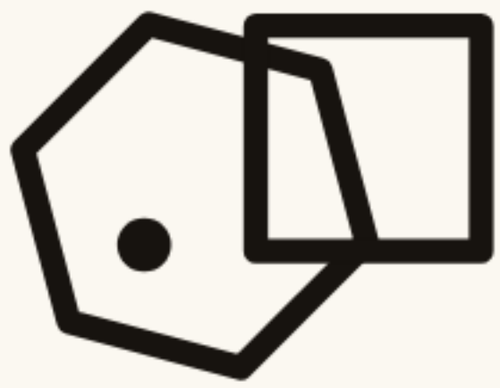
1



2



3



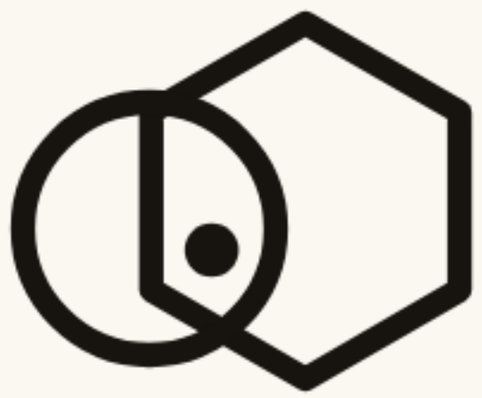
4



5



6



Which one does not belong?

1



2



3



4



5



6



Answer: option 3

In five figures the dot sits inside both shapes, where they overlap. Which shapes are used does not matter.

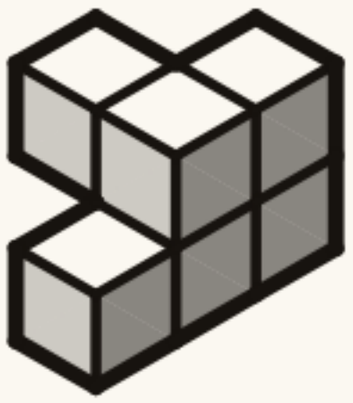
Which option is the same shape, only rotated?



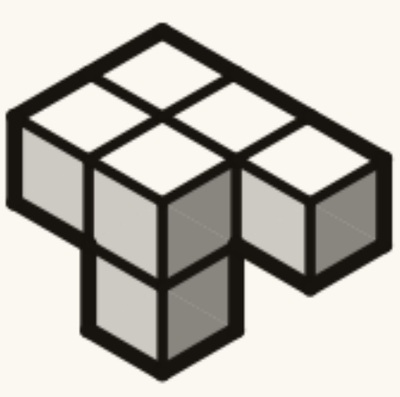
1



2



3



4



Which option is the same shape, only rotated?



1



2



3



4



Answer: option 4

The right option is the same cluster of cubes turned in space, not mirrored. A mirror image of the cluster cannot be turned to match it.

NEXT STEP

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