# Algorithms Tangrams
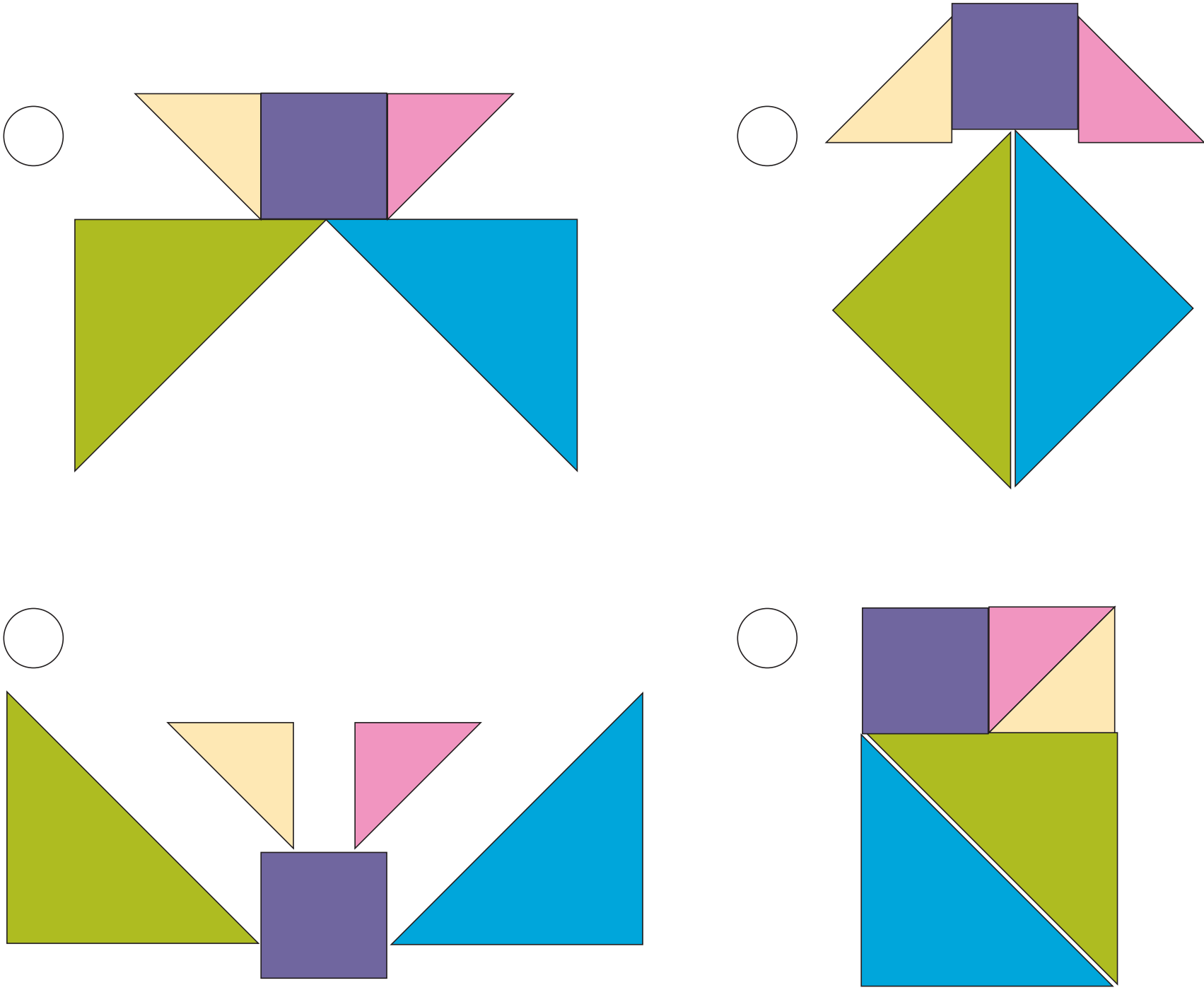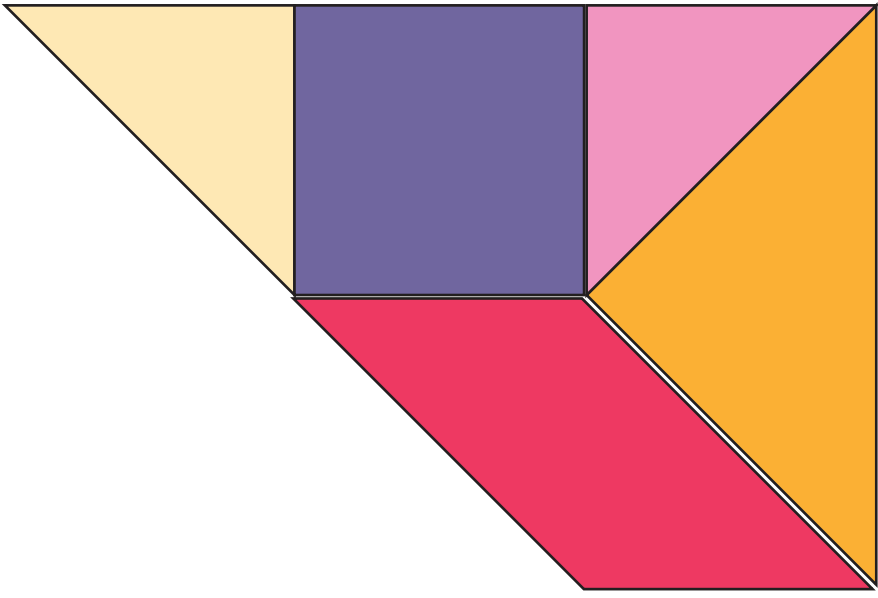
Which one of these drawings does not follow the algorithm provided?

1) Put two large triangles at the bottom of the image.
2) Put a square on top of those two triangles.
3) Put two litte triangles beside the square.

Which algorithm goes with the drawing?

1) Use three triangles, a square, and another piece
2) Line two triangles up with the square
3) Put a third triangle to the right of those shapes
4) Put the last piece at the bottom

1) Use three triangles, a rhombus, and another piece
2) Put the rhombus at the bottom
3) Put all three triangles above the rhombus
4) Put the final piece to the left of everything else

1) Use two triangles, a square, and another piece
2) Line two triangles up with the square
3) Put the last piece on top of the square

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# Envelope Variables

Match the sentence to the value of the variable that goes with it.

var1 = awesome,
var2 = gravy,
var3 = pretty,
Var1 = fake,
Var2 = tough

1. My friends are _____ .
   (var1)

2. Mowing the lawn is _____ .
   (Var2)

2. My dog likes _____ .
   (var2)

3. Nightmares are _____ .
   (Var1)

4. The stars look _____ .
   (var3)

- awesome
- gravy
- pretty
- fake
- tough

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# For Loop Fun

Which of these loops will count the even numbers between 2 and 10?

1) For values of **X** from _1_ to _10_ incrementing by _4_

2) For values of **X** from _2_ to _11_ incrementing by _3_

3) For values of **X** from _2_ to _11_ incrementing by _2_

4) For values of **X** from _2_ to _15_ incrementing by _2_

Which of the sets of numbers below will be counted by this for loop?

For values of **X** from _5_ to _40_ incrementing by _4_

1)  4, 8, 12, 16, 20, 24, 28, 32, 36, 40

2)  5, 9, 13, 17, 21, 25, 29, 33, 37

3)  8, 12, 16, 20, 24, 28, 32, 36, 40

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# Mad Glib Abstraction

Which of these sentences does not fit the abstracted template below?

Abstracted Template:
The cow said _____, and I _____.

A) The cow said "Moo", and I smiled.
B) The cow said "Hello", and I screamed.
C) The cow hollered "Moo", then I yawned.
D) The cow said something animal-like, and I yawned.

Which of the abstracted templates below would work for all of these sentences?

Sentences:
I am so smart. Everyone thinks so!
My friends are so smart.  Even the teacher thinks so!
Puppies are so smart. Mine thinks like a human!
Recycling is so smart. Mom thinks it can save the planet!

A) _____ so smart. _____ thinks _____!
B) _____ are so smart. _____ thinks so!
C) _____ friends ____ so smart. _____ thinks so!
D) _____. _____ thinks !