

GEOMETRIC PATTERNS

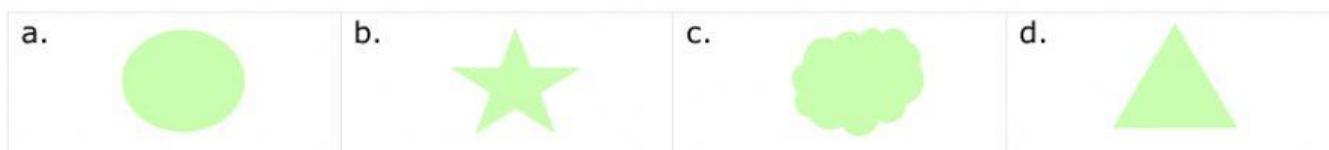
HOMEWORK GRADE

2/22/2021

1. The first four figures are the core of this pattern.



The 15th figure in this pattern will be a –



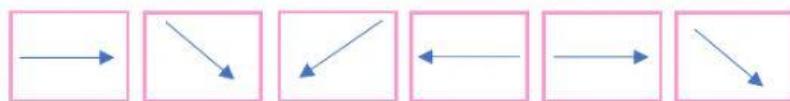
2. The first three figures are the core of this pattern.



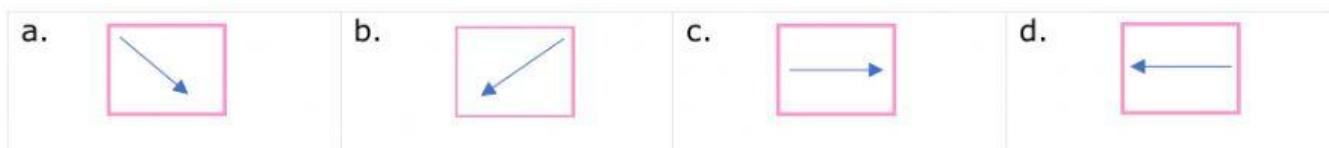
If this pattern continues in the same way, what will be the next three shapes?



3. These figures form a pattern.



If the pattern continues the same way, what will be the 11th shape in the pattern?



4. Juan saw these blocks being built. Each of the figures has 2 more blocks than the figure before it.

Figure 1



Figure 2

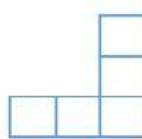
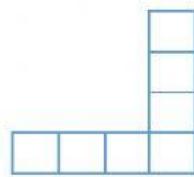


Figure 3



If this pattern continues, how many blocks should the 5th figure have?

a. 9

b. 11

c. 13

d. 15

5. Harper is using a pattern to make figures from paper hearts like this one: ❤️
She has made four figures using this pattern, as shown.

Figure 1



Figure 2



Figure 3



Figure 4



Exactly how many paper hearts will Harper need to make the 6th figure in this pattern?

a. 25

b. 36

c. 49

d. 64