

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 –

a. 	b. 	c. 	d. 
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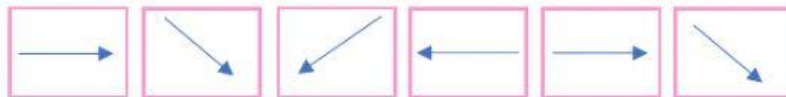
2. The first three figures are the core of this pattern.



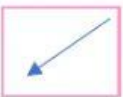
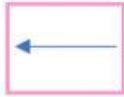
If this pattern continues in the same way, what will be the next three shapes?

a. 	b. 
c. 	d. 

3. These figures form a pattern.



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

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

Figure 1

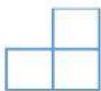
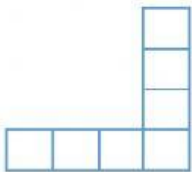


Figure 2



Figure 3



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

a. 9	b. 11	c. 13	d. 15
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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
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