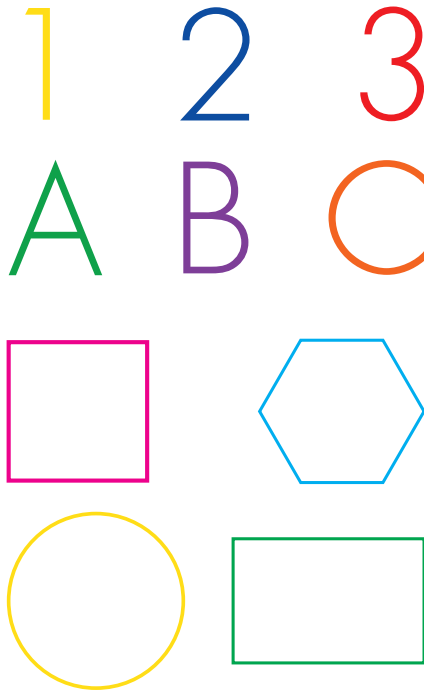




# Learning through play



Inspired by the  
Montessori Method

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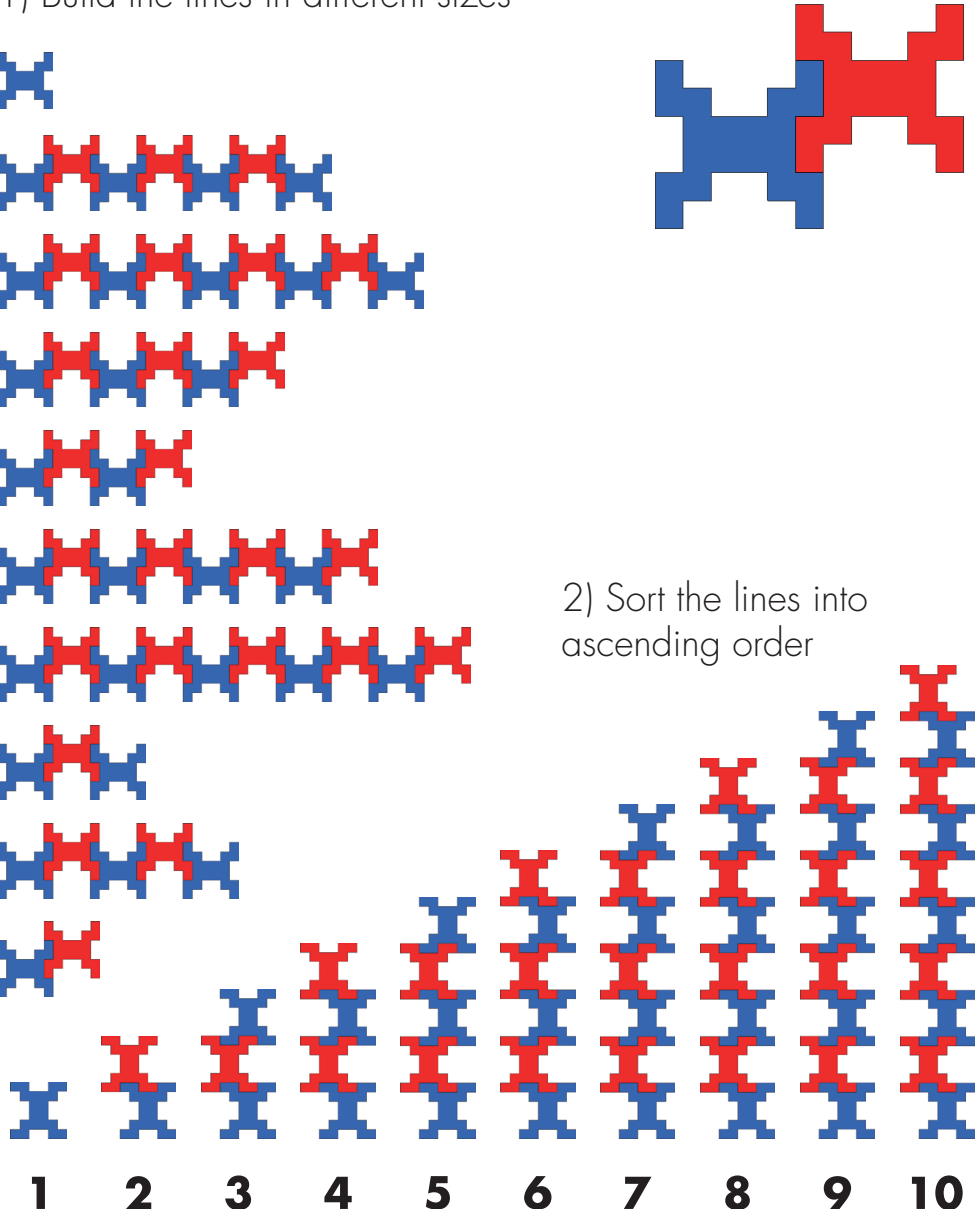
## ALPHABET

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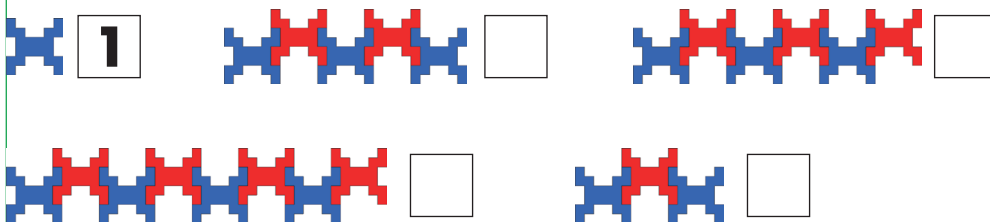
# REPRESENTING NUMBERS BY SIZE

## Build a line

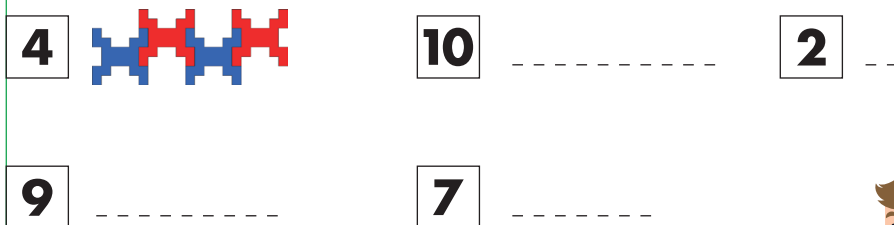
1) Build the lines in different sizes



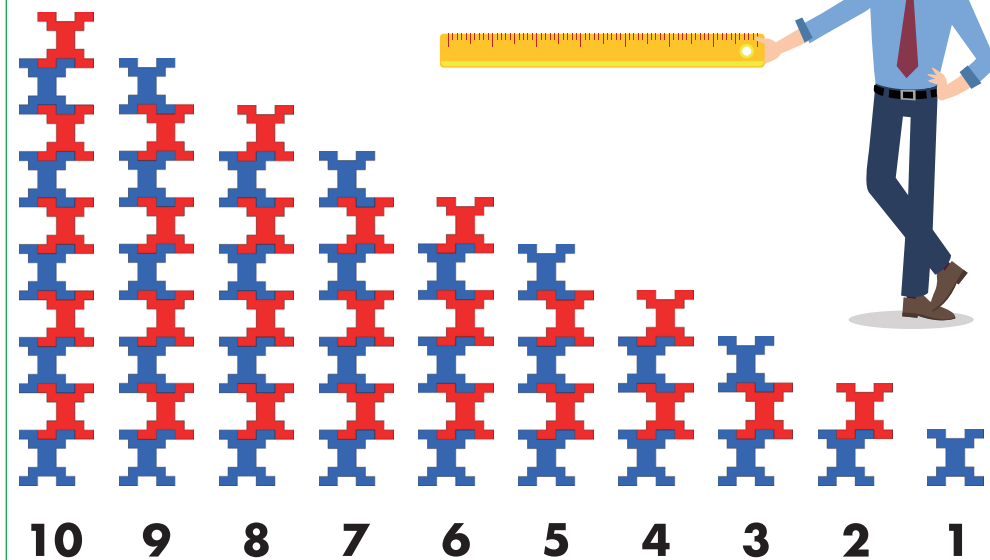
3) Add a numerical value to each line



4) Build your own line starting from the given number

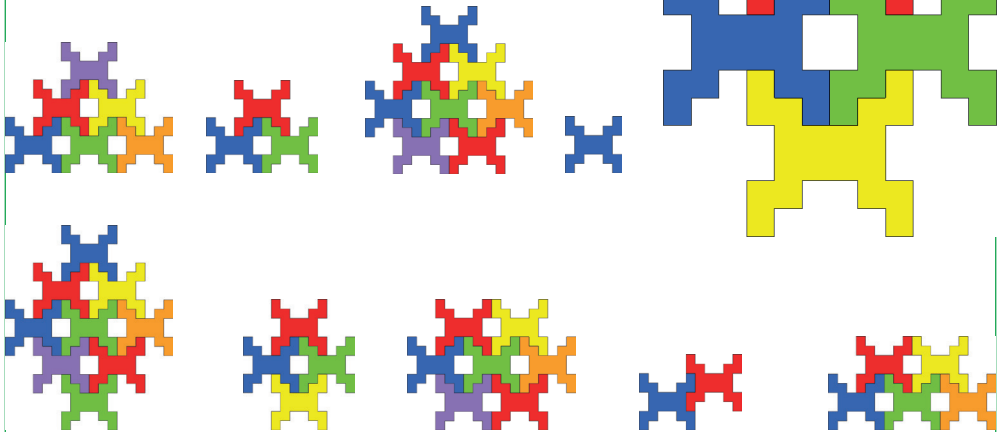


5) Sort the lines in descending order

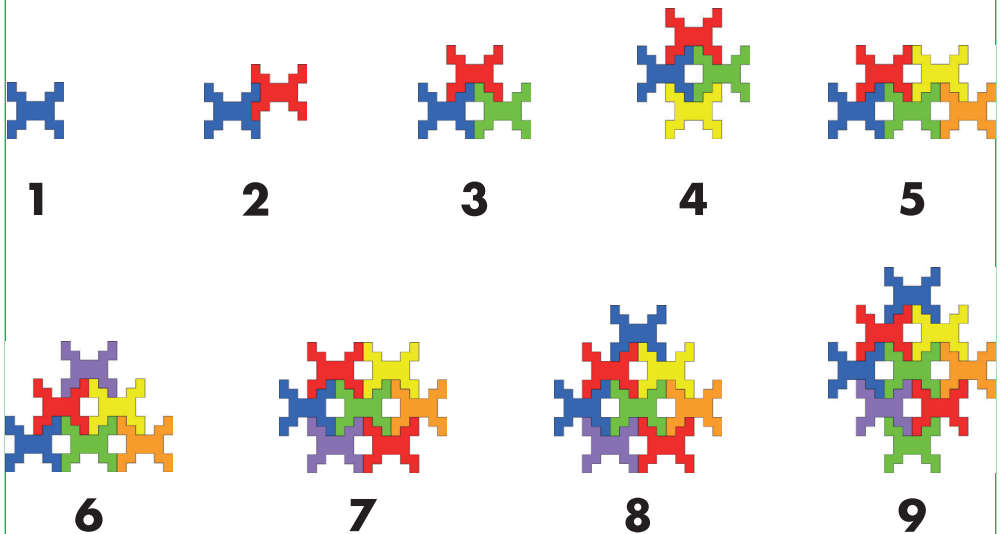


# Play with the pieces

1) build the following 2D models



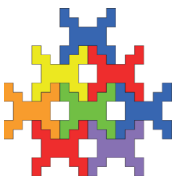
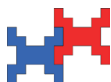
2) Sort the models in ascending order



3) Build some 2D models using the following numbers of pieces in each



**5**



4) Starting with a number, build your own creation

**1**



**7**

-----

**6**

-----

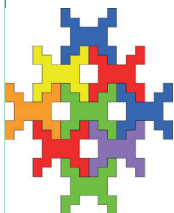
**4**

-----

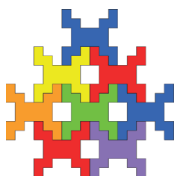
**9**

-----

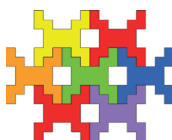
5) Order the models in descending order



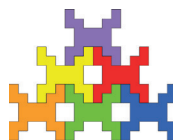
**9**



**8**



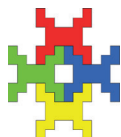
**7**



**6**



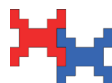
**5**



**4**



**3**



**2**

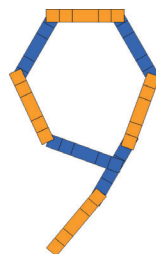
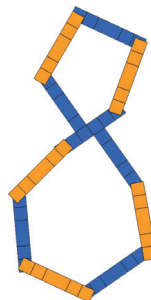
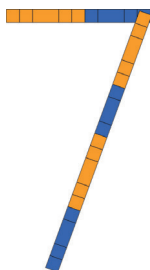
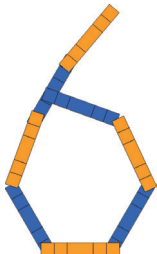
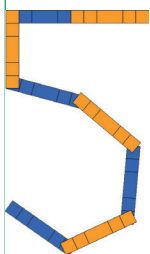
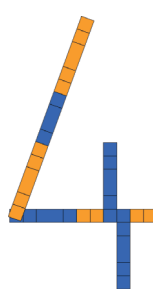
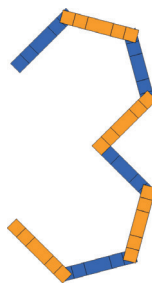
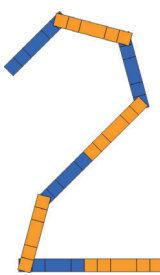
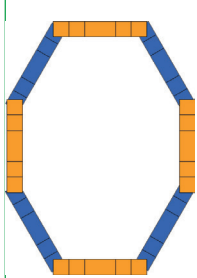
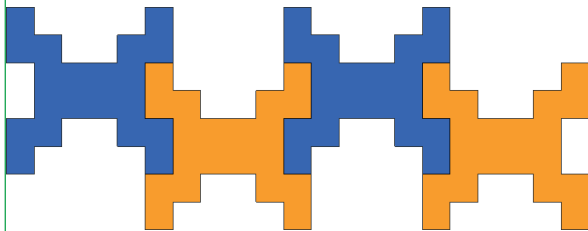
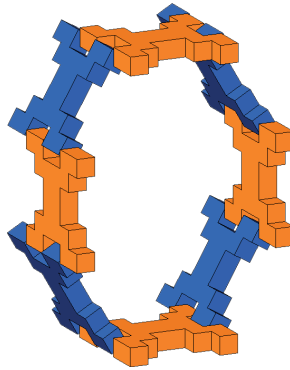


**1**

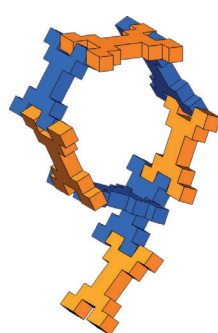
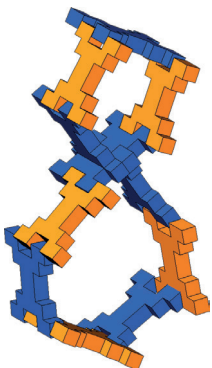
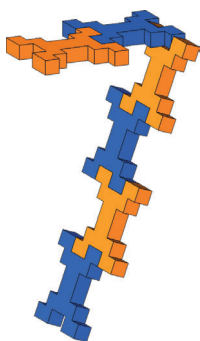
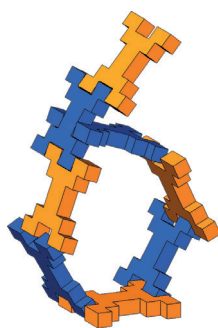
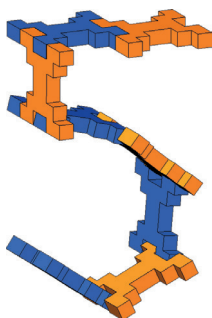
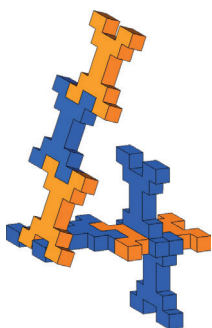
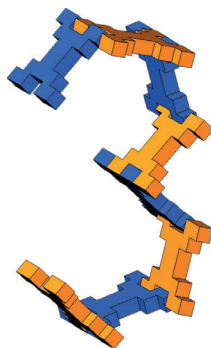
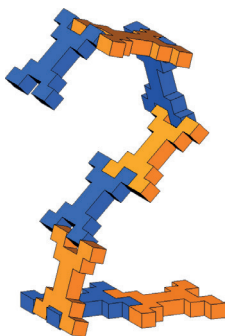
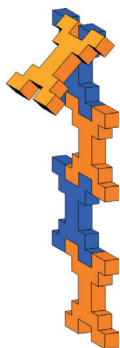
# RECOGNISING NUMBERS

## Build the numbers

build a line and bend into the following number shapes





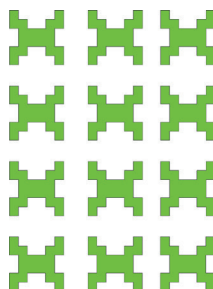


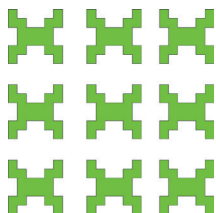
# Learn to count

1) Count how many pieces there are in each colour



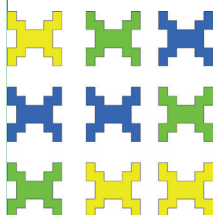
6








• Count how many pieces for colour



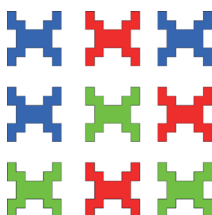
3



3

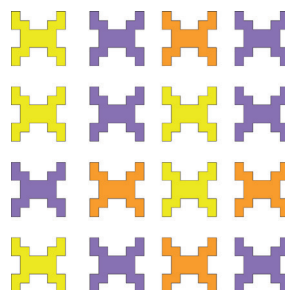


3







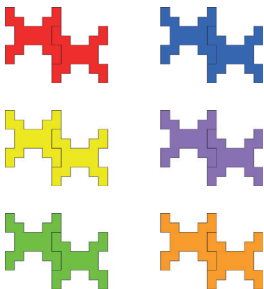
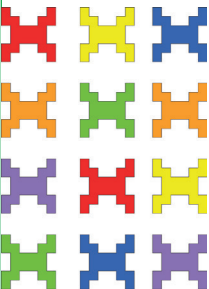
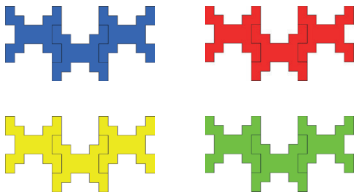
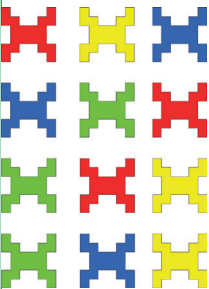




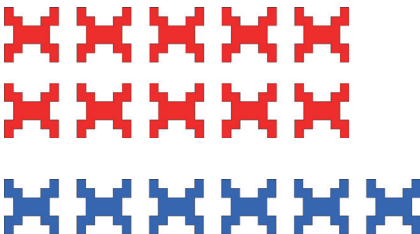
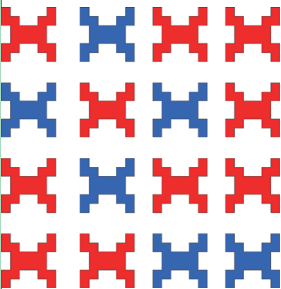


# Grouping

- Group by colours



- Group by tens






10

6

1

6




# Addition

 $+$  $=$   

4

2


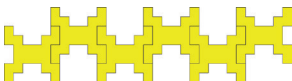
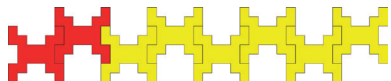
6

 $+$  $=$   

3

4



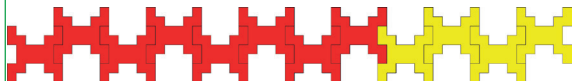
7

 $+$  $=$   

2

6

8

 $+$  $=$   
  

8

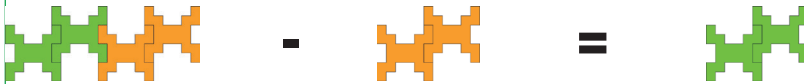
4

12

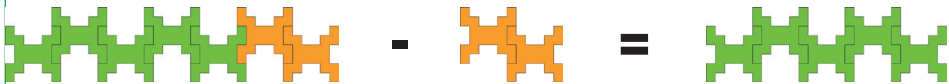


3+2  
?

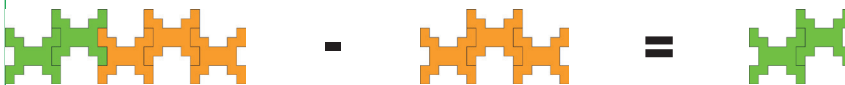
# Subtraction




$4 - 2 = 2$




$7 - 2 = 5$



$5 - 3 = 2$


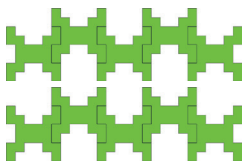
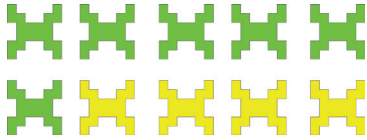


$8 - 4 =$


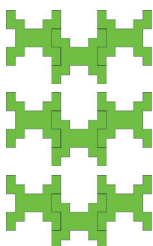
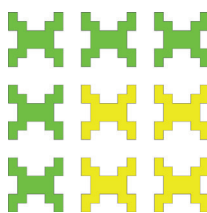


$4$


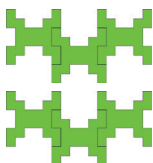
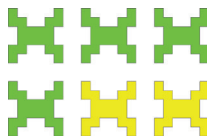
# Multiplication

 $\times$  $=$ 


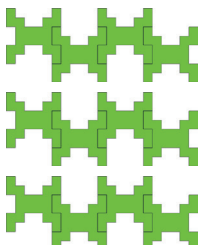
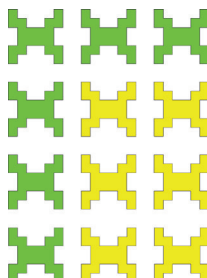
**2** **5** **10**

 $\times$  $=$ 

**3** **3** **9**

 $\times$  $=$ 

**2** **3** **6**

 $\times$  $=$ 

**3** **4** **12**

# Division

$$\begin{array}{c}
 \text{10} \\
 \hline
 \end{array}
 \div \begin{array}{c} \text{2} \\ \hline \end{array} = \begin{array}{c} \text{5} \\ \hline \end{array}$$

$$\begin{array}{c}
 \text{9} \\
 \hline
 \end{array}
 \div \begin{array}{c} \text{3} \\ \hline \end{array} = \begin{array}{c} \text{3} \\ \hline \end{array}$$

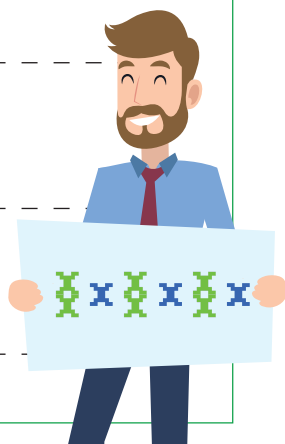
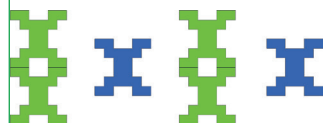
$$\begin{array}{c}
 \text{6} \\
 \hline
 \end{array}
 \div \begin{array}{c} \text{3} \\ \hline \end{array} = \begin{array}{c} \text{2} \\ \hline \end{array}$$

$$\begin{array}{c}
 \text{12} \\
 \hline
 \end{array}
 \div \begin{array}{c} \text{4} \\ \hline \end{array} = \begin{array}{c} \text{3} \\ \hline \end{array}$$

# LOGICAL THINKING

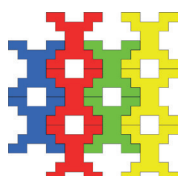
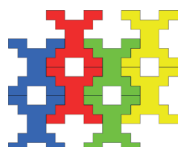
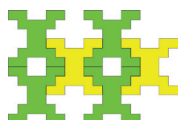
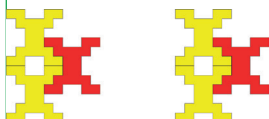
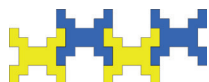
## Sequencing

1) Continue the sequence





2) Continue the sequence by fitting the pieces in the right way



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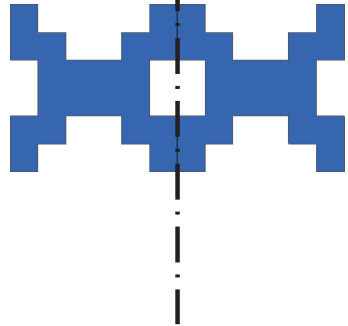
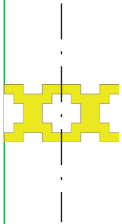
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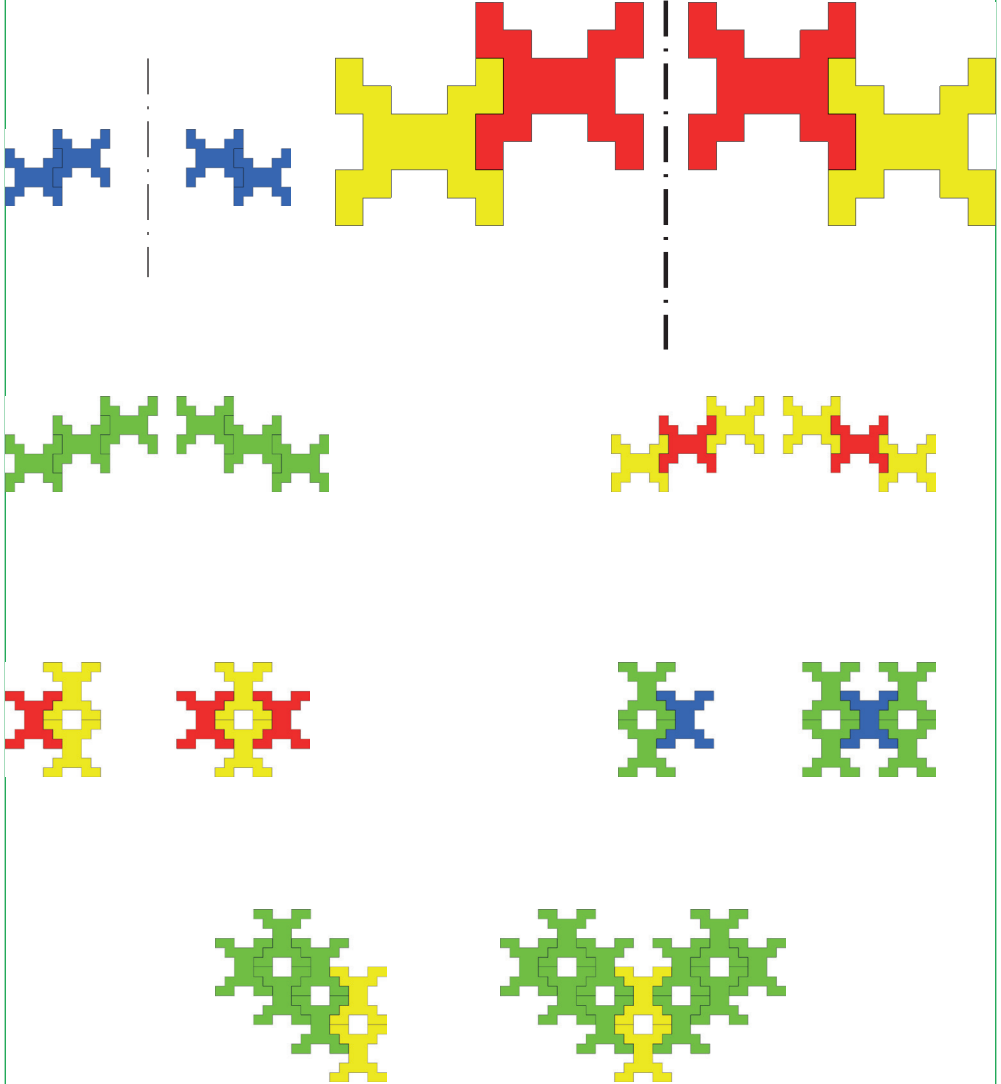
# GEOMETRY

## Symmetry

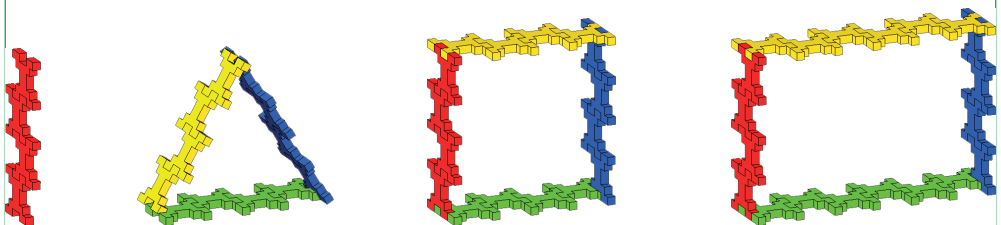
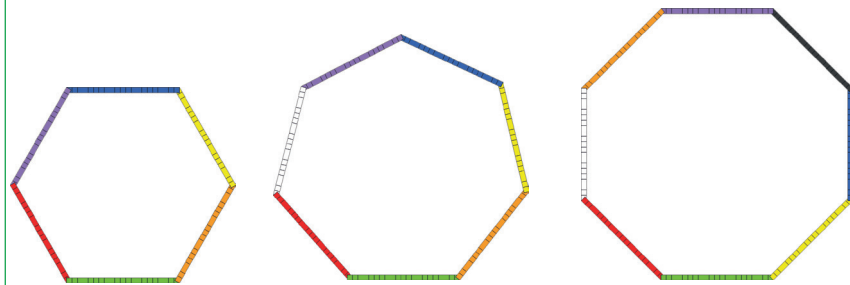
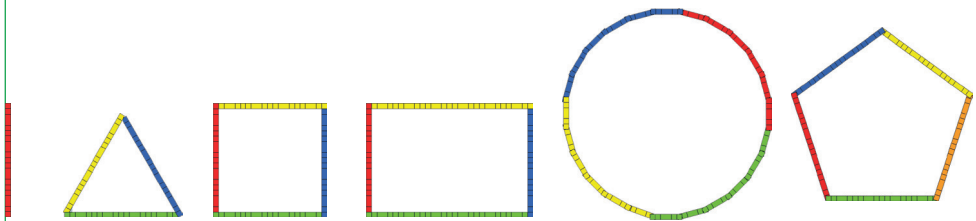
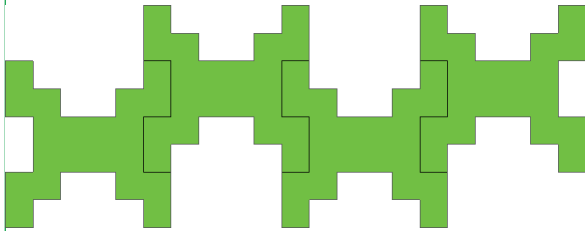
1) Draw the symmetry axis

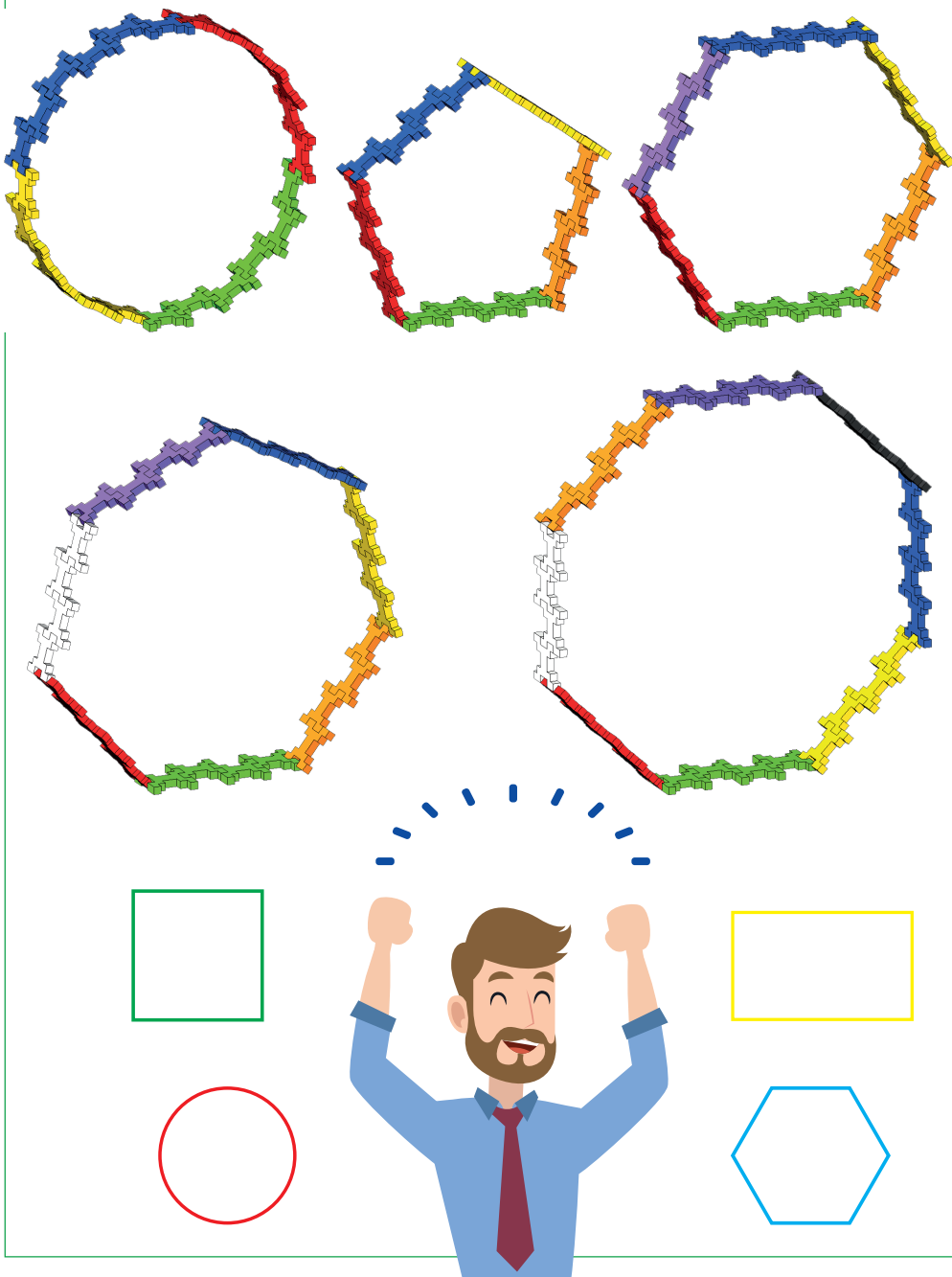


2) Build the mirror image



# Build the geometric shapes

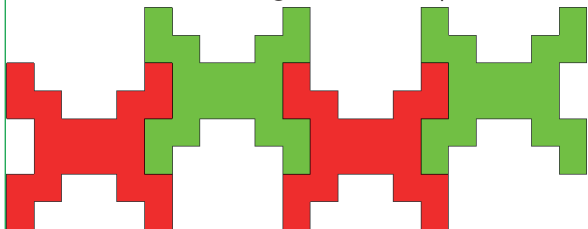




# ALPHABET

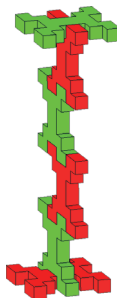
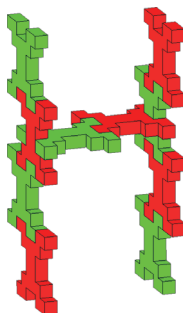
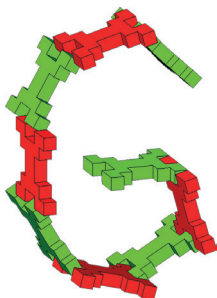
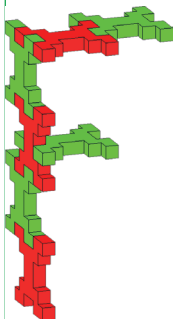
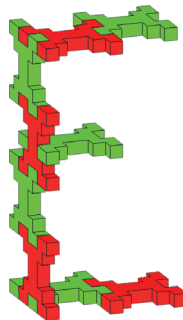
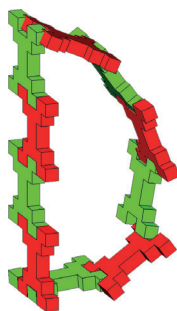
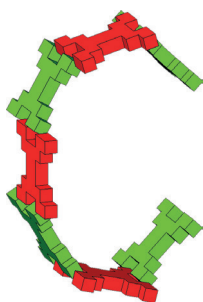
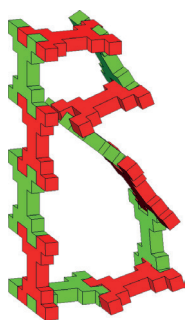
## Build the letters

Build the following letter shapes



A B C D E F G H I J K L M N

O P Q R S T U V W X Y Z







**INCASTRO SRL  
ITALY**

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[info@incastroworld.com](mailto:info@incastroworld.com)

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