

Skyscrapers

Topic/Learning objectives of exhibit:

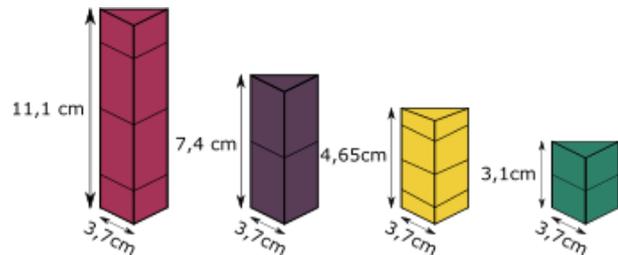
Logic, strategy, trial-and-error methodology.

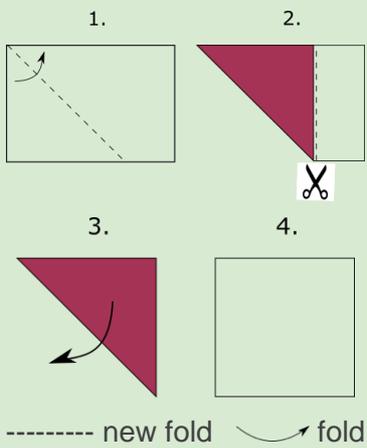
List of Materials Required:

- 4 DIN A5 red cardboards
- 4 DIN A5 purple cardboards
- 2 DIN A5 yellow cardboards
- 2 DIN A5 green cardboards
- Scissors

Step-by-step Construction

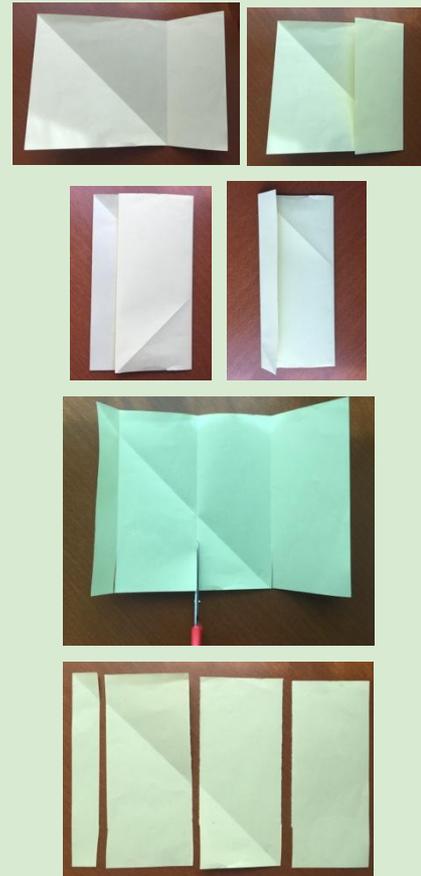
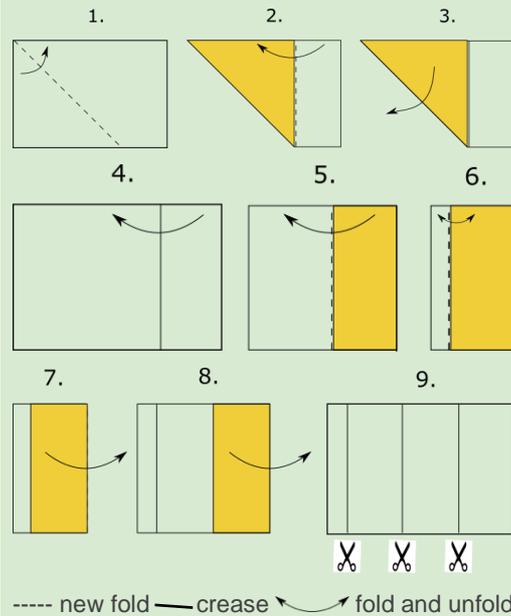
Estimated Time: 15 min



Step 1	Instructions	Picture
<p>Preparing the paper for the eight taller skyscrapers</p>	<p>Take the 8 red and purple DIN A5 cardboards and fold and cut a square from each of them following these instructions.</p> 	

Step 2
Preparing the paper for the eight smaller skyscrapers

Take the 4 yellow and green DINA5 cardboards and cut 4 yellow and 4 green rectangles following these instructions (three rectangles of the same colour from one paper and the other one from the other paper).

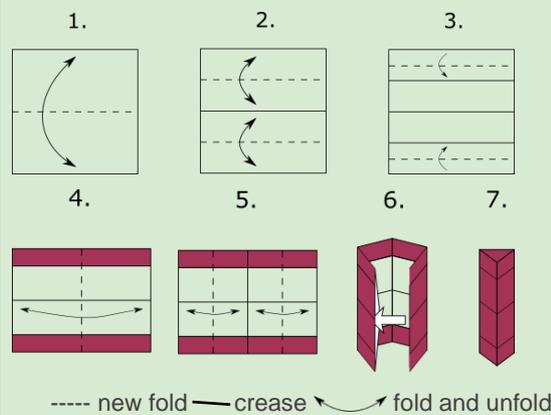


Assembly

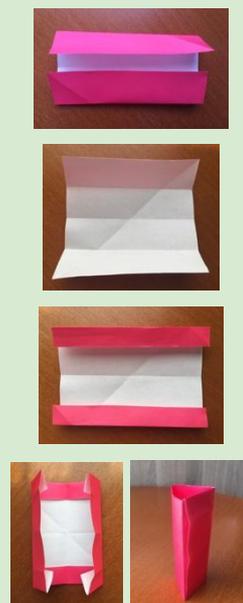
Estimated Time: 1 hour

Step 1
Folding process of the red pieces (the taller)

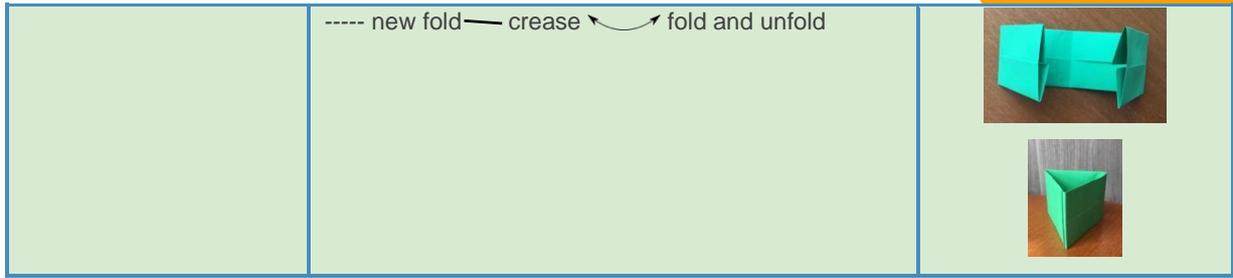
Instructions
Take the four red squares corresponding to the taller pieces and assemble them following these instructions.



Picture



<p>Step 2</p> <p>Folding process of the purple pieces (four second taller pieces)</p>	<p>Take the four purple squares and fold them following these instructions.</p> <p>----- new fold — crease — fold and unfold</p>	
<p>Step 3</p> <p>Folding process of the yellow pieces</p>	<p>Take the four yellow rectangles and fold them following these instructions.</p> <p>----- new fold — crease — fold and unfold</p>	
<p>Step 4</p> <p>Folding process of the green pieces</p>	<p>Take the four green rectangles and fold them following these instructions.</p>	



Observations

It is better not to use this module in open spaces with wind, because even if the pieces are made of cardboard, they can fly away. However, they can be reinforced by glueing rectangles of wood inside them or another appropriate material. You don't need two-coloured paper, but we draw the instructions for a two-coloured paper to easily distinguish the two sides of the paper.

Skyscrapers can also be done with a 3D printer or with wood, plastic or multilinks.

Link

https://drive.google.com/file/d/1S9VyLIErLTz5B_W75nfiJqkUzMrvKmXU/view?usp=drive_link

