

**This puzzle is designed by Erhan ubukcuoglu 2015
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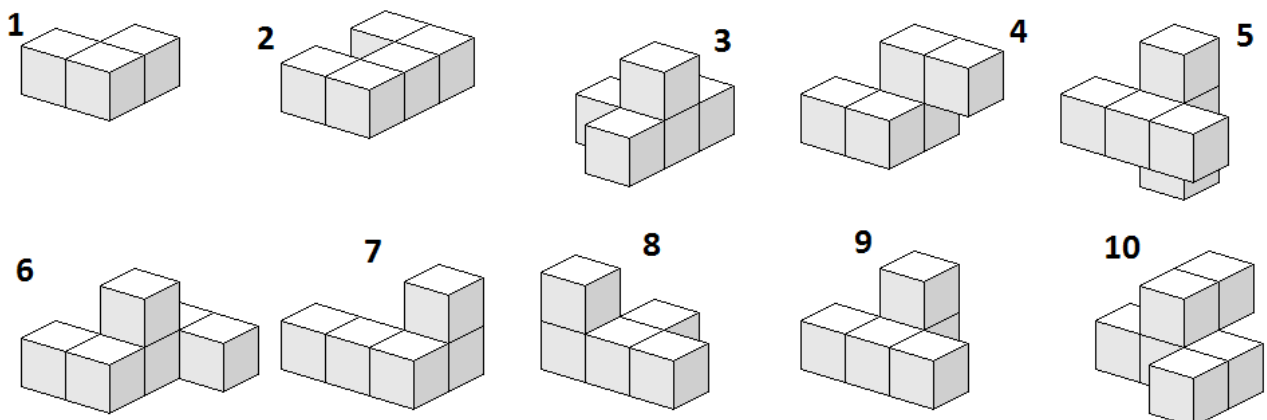
Architect's dilemma



A crazy businessman find ten billionaire and prepare with them a dream office plan for each one. And this businessman comes to the architect and want them to build a tower according to this ten plan. Architect make a model for each dream office and try to put them in his tower. This is my funny story for this puzzle.

The aim of this puzzle is to place ten piece inside the frame. For this puzzle I am inspired from “Campanile” of Naefspiele and I made my own design. According to my computer analysis Campanile has 256 solution and this puzzle has 56 solution.

Puzzle pieces are here,



For making this puzzle I used 20x20 mm ready stock. I cut puzzle pieces with my hand miter saw and I glued them. **Only piece 2 is important here. You can give a little clearance to it's middle part by sanding.**

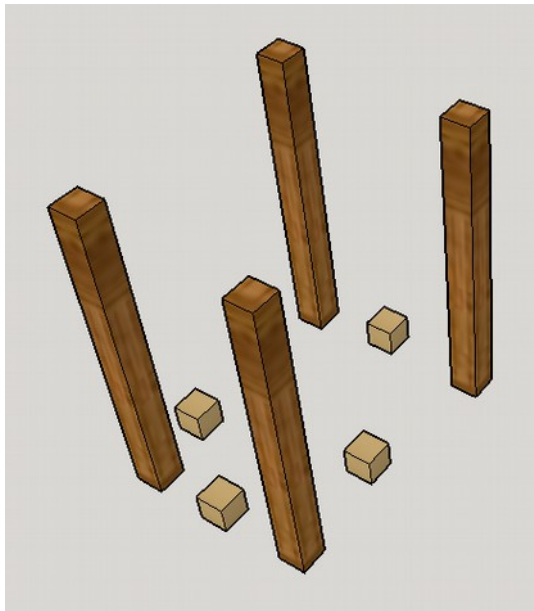
The most difficult part of this puzzle is making the frame. Because long frame parts must be perpendicular to the base and precisely parallel to each other. For frame I used four piece 20x20x220 mm (TxTx11T) and four small block 20x20x21 (TxTxT+1) mm

Important

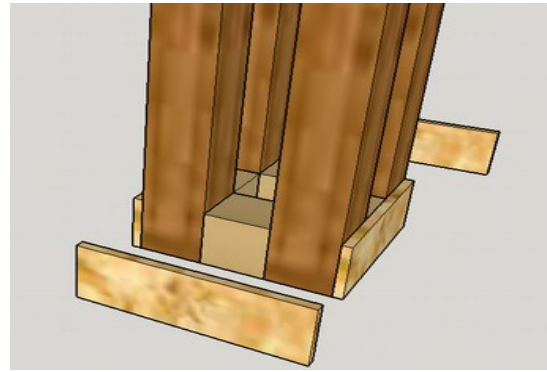
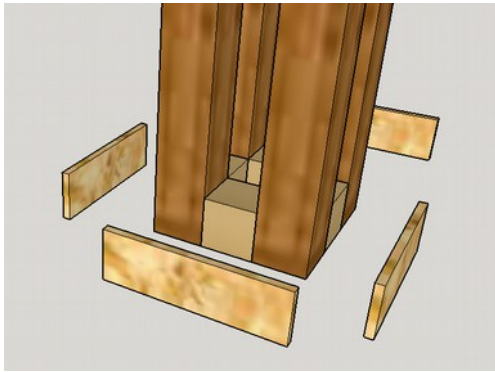
Your small pieces has 20x20x21 mm dimension. Cut small blocks perfectly perpendicular and place them so 21 mm dimension will be between two long frame piece. You will have one millimeter clearance between frame pieces according to your puzzle pieces. Wood dimensions change according to humidity in the air. ***If you don't give this clearance putting your puzzle pieces into the frame or taking them out may be impossible.*** If you are a beginner or if you can't work precisely according to your previous experiences you can increase this clearance (for example 1.5 or 2 mm)



From the photo you can see this clearance.



If you want use a different size of ready stock the length of the frame parts is 11T and small blocks length is T. You can cut long frame parts 1 or 2mm longer. Before gluing I advise putting some wooden removable blocks in same thickness with your puzzle parts and some thin cardboard pieces. and after aligning parallel you can glue them



After gluing frame for a better strength I fixed them also with screws and I made an additional ornamental base around it from 3x20 mm ready stock. For this ornament you will need 2 pcs 3x20x67 mm (3xTxT+7) and two pcs (3x20x61).

If you want instead of using screws and ornaments you can use hidden wooden dowels. This require more wood working experience and precise work.

As you can see from photo the center of the frame is empty and a puzzle piece will occupy here.



If you can use different kind woods for frame and puzzle pieces you can obtain a better looking puzzle. I used beech for all puzzle pieces and finished frame with a colored varnish

1 of 56 solution

