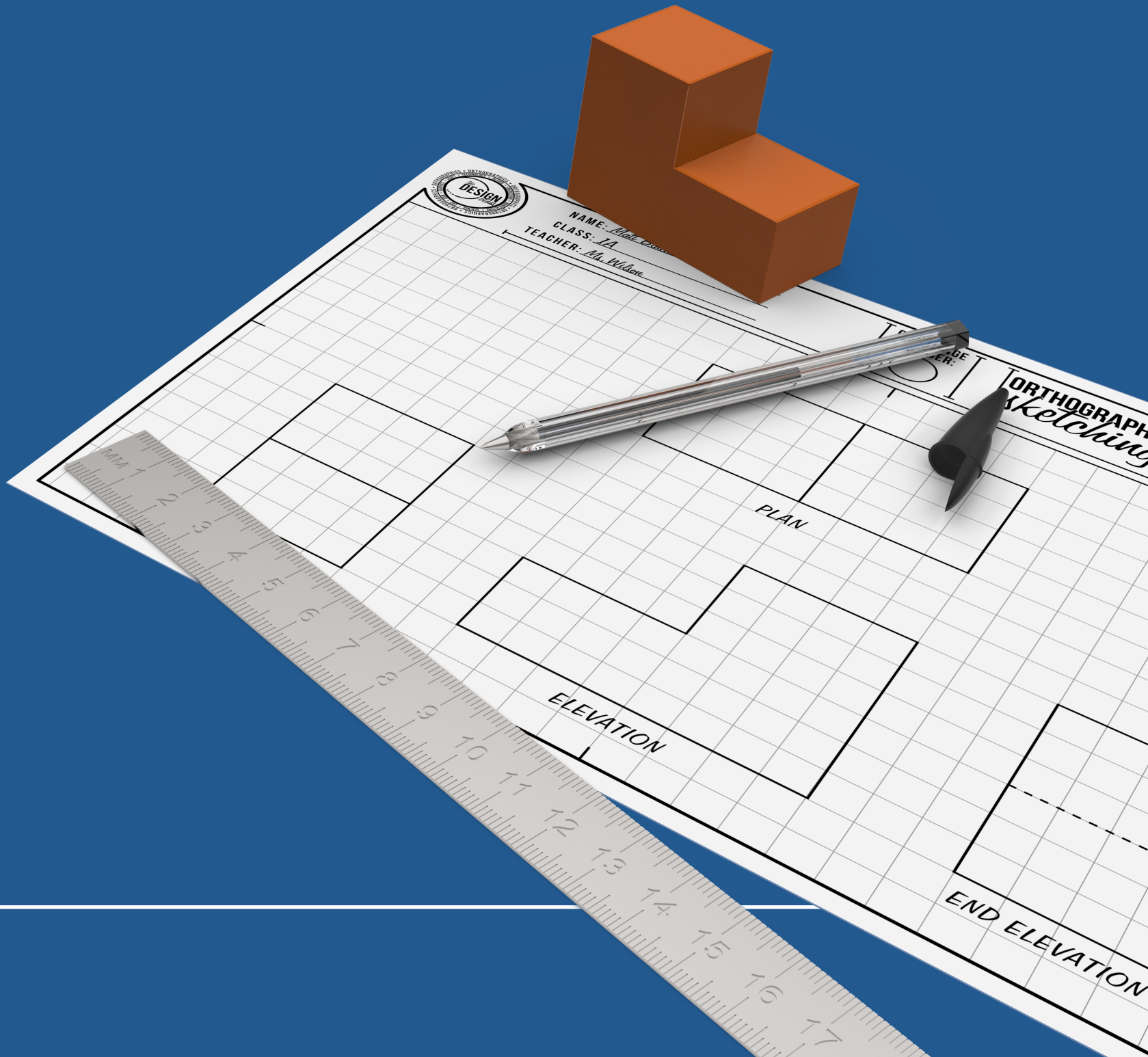


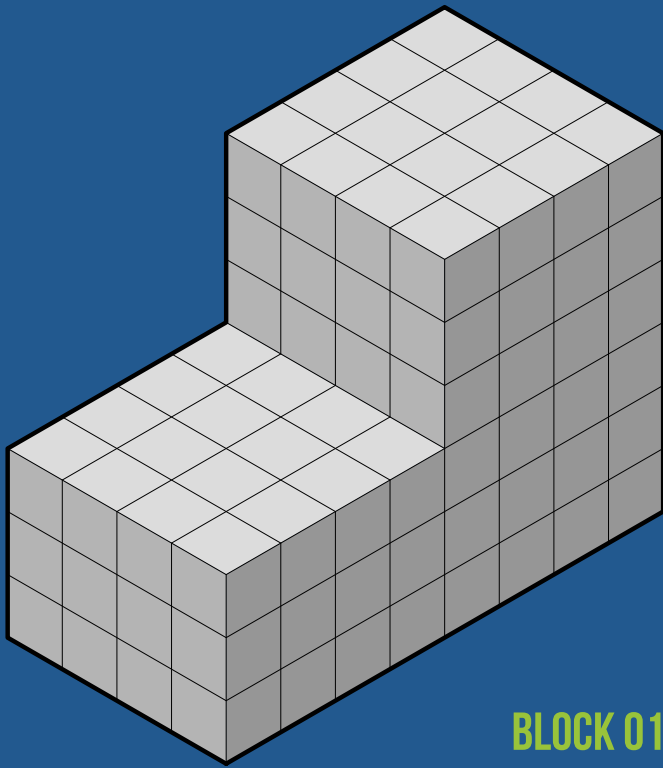
ORTHOGRAPHIC *sketching* GRAPHICS CHALLENGE



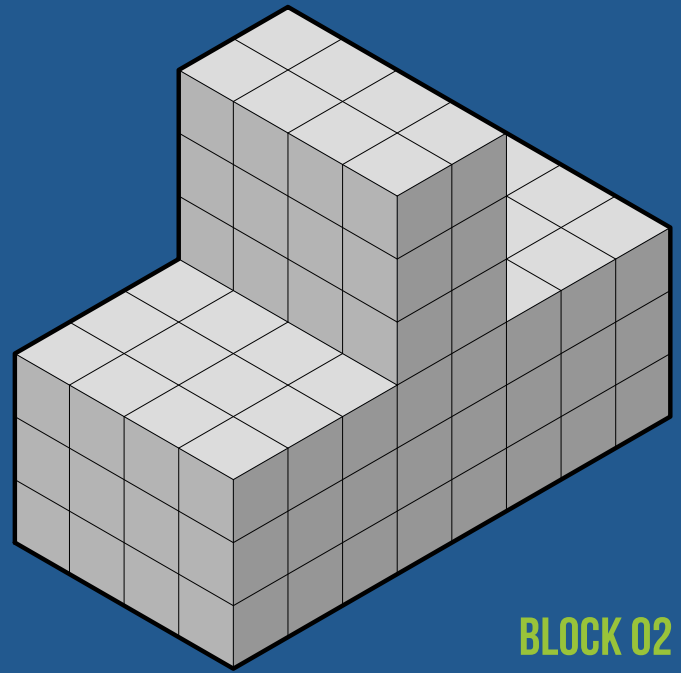
LEVEL_ONE

Download the sketching template from DesignClass.co.uk, or use grid paper. Dimension the sketches using BS8888 conventions.

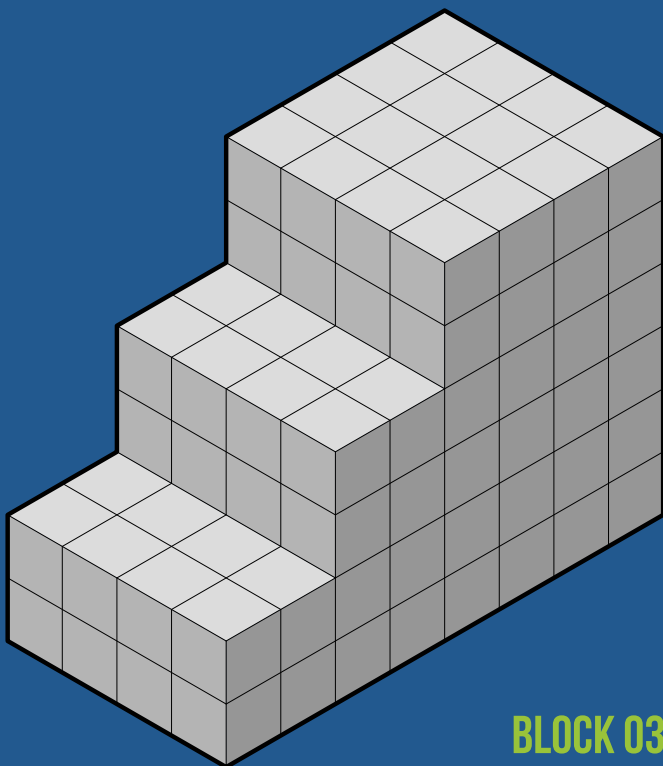
For practice, model these using 3D CAD. Each block represents 5mm.



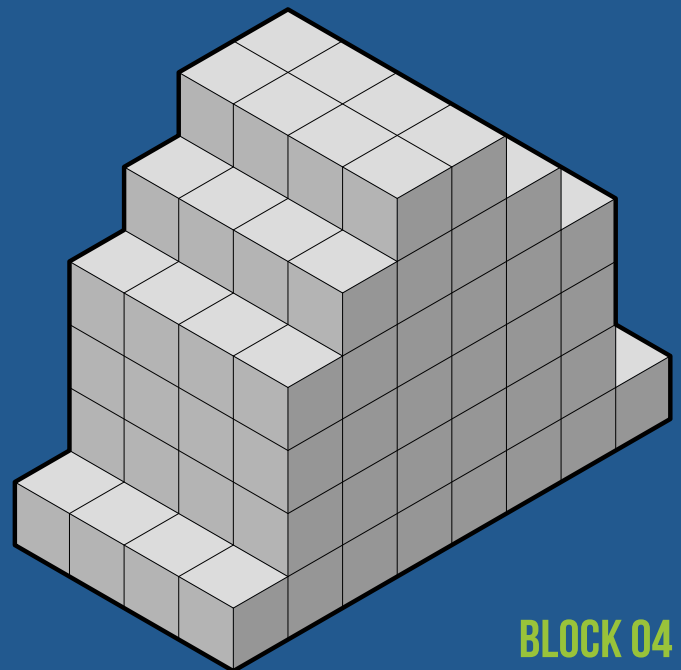
BLOCK 01



BLOCK 02



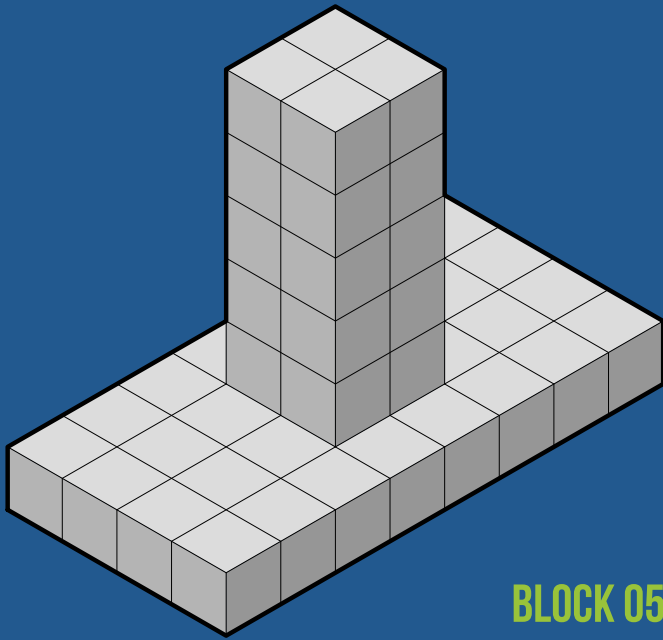
BLOCK 03



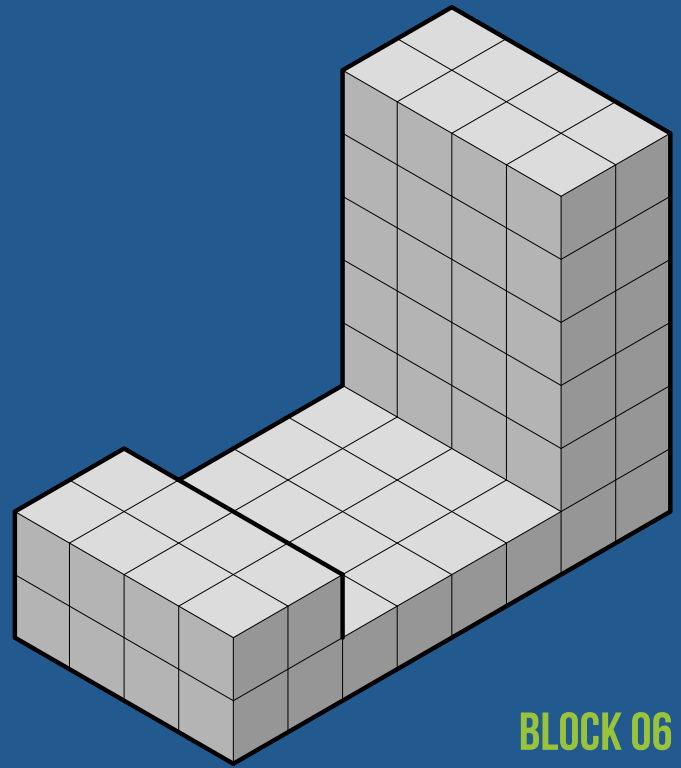
BLOCK 04

LEVEL_TWO

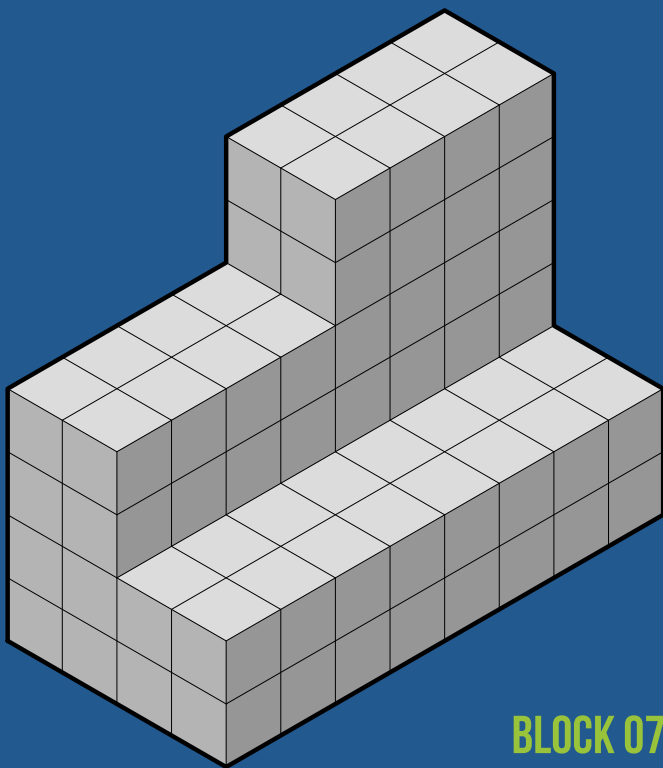
Getting slightly trickier! These blocks require you to consider 'hidden detail' in a much more detail...



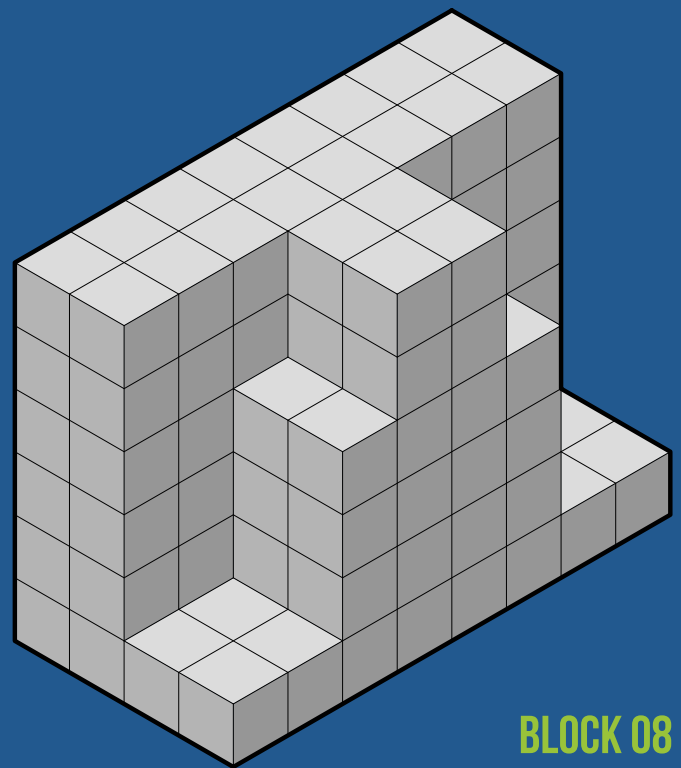
BLOCK 05



BLOCK 06



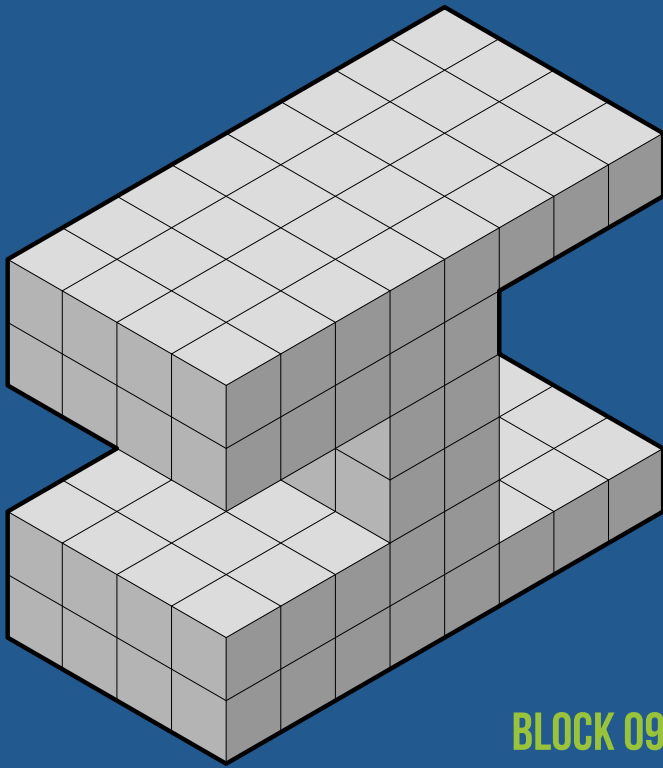
BLOCK 07



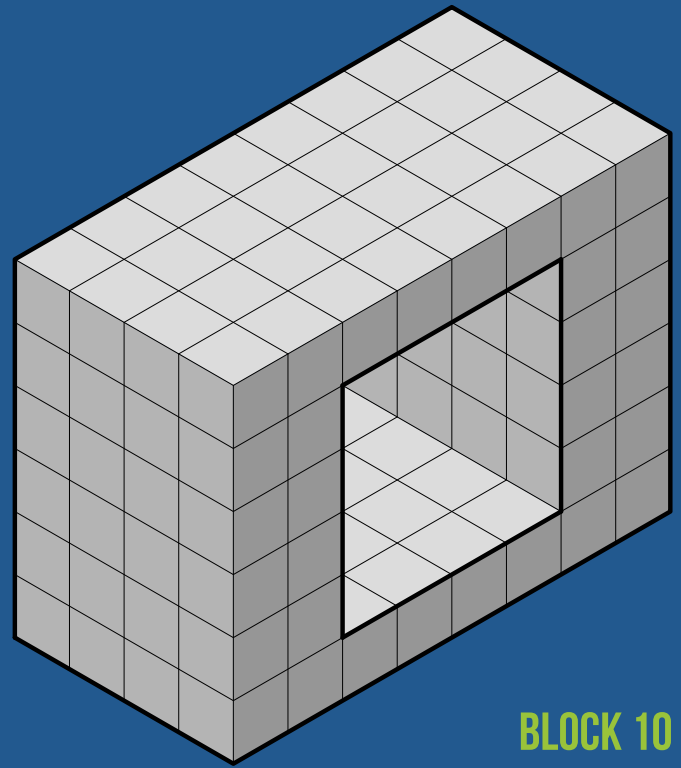
BLOCK 08

LEVEL_THREE

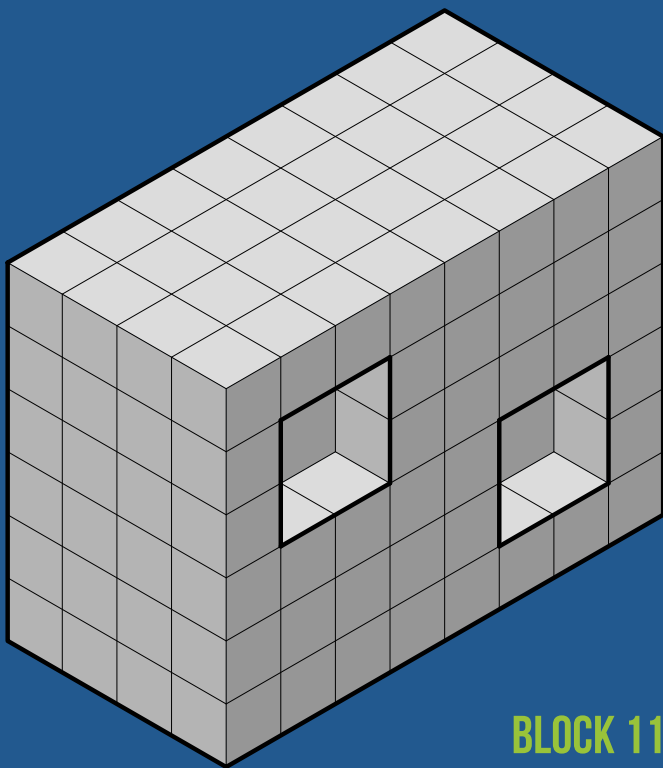
Things start to get tough here. Multiple cuts, holes and slots...



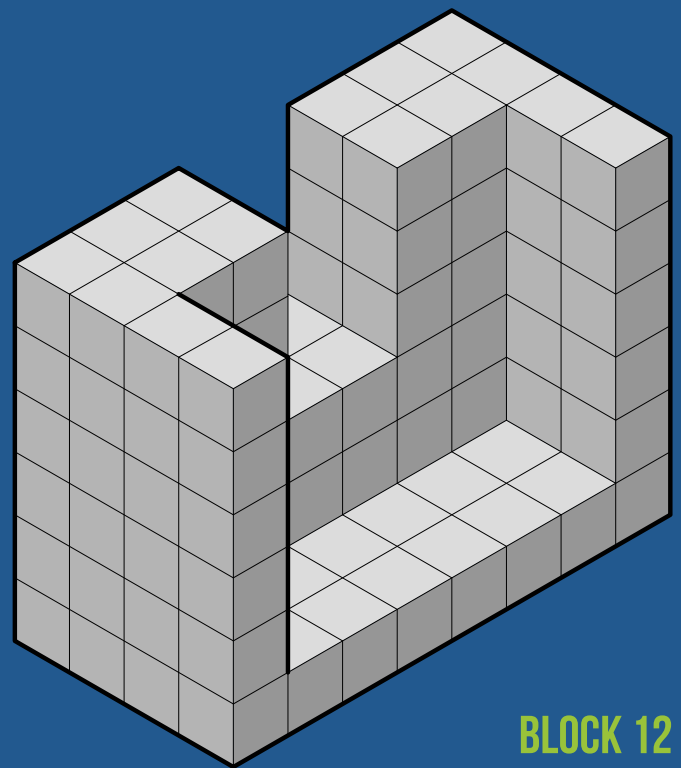
BLOCK 09



BLOCK 10



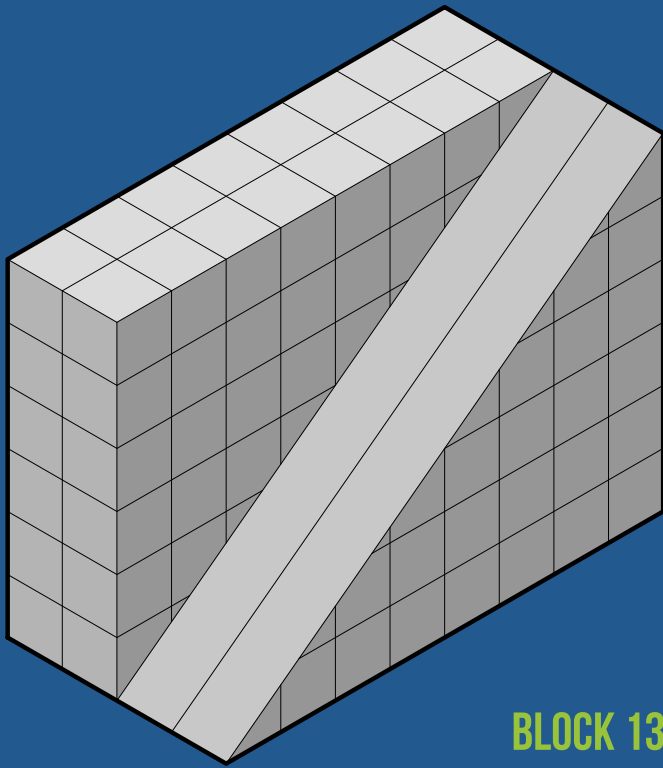
BLOCK 11



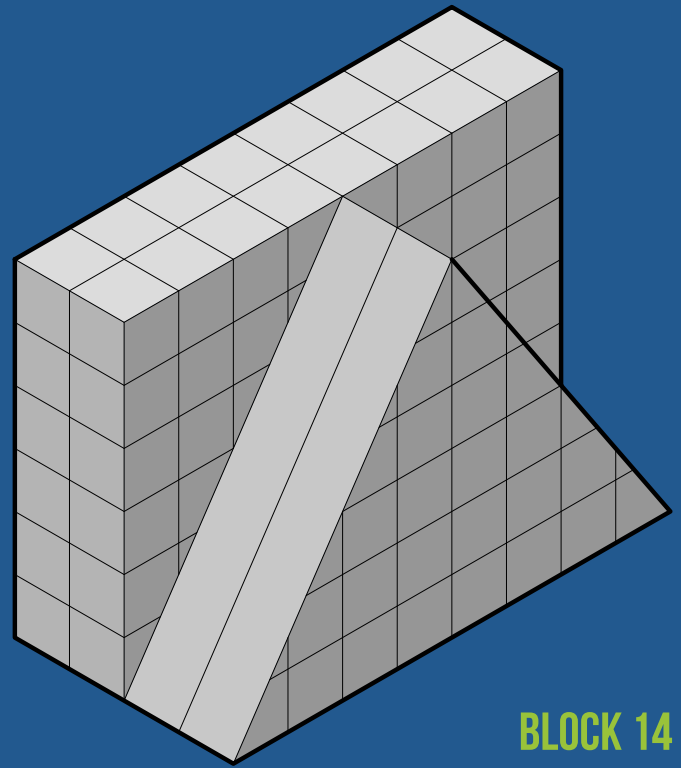
BLOCK 12

LEVEL_FOUR

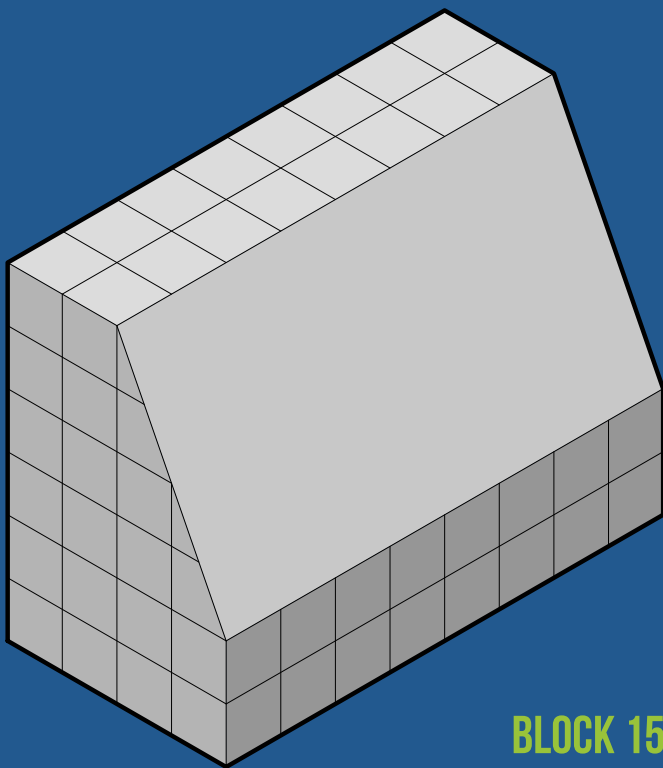
Things get challenging, now with angled faces. How will these look when shown in orthographic projection?



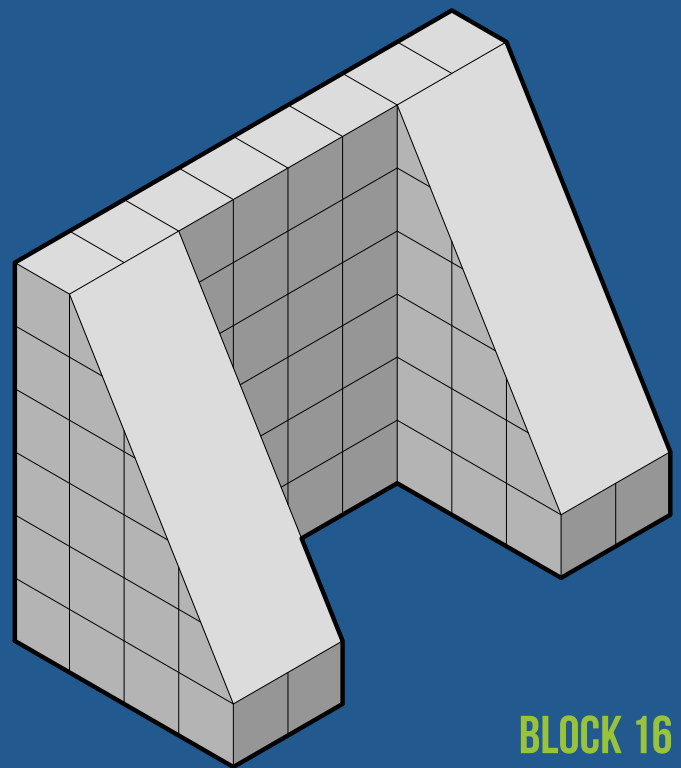
BLOCK 13



BLOCK 14



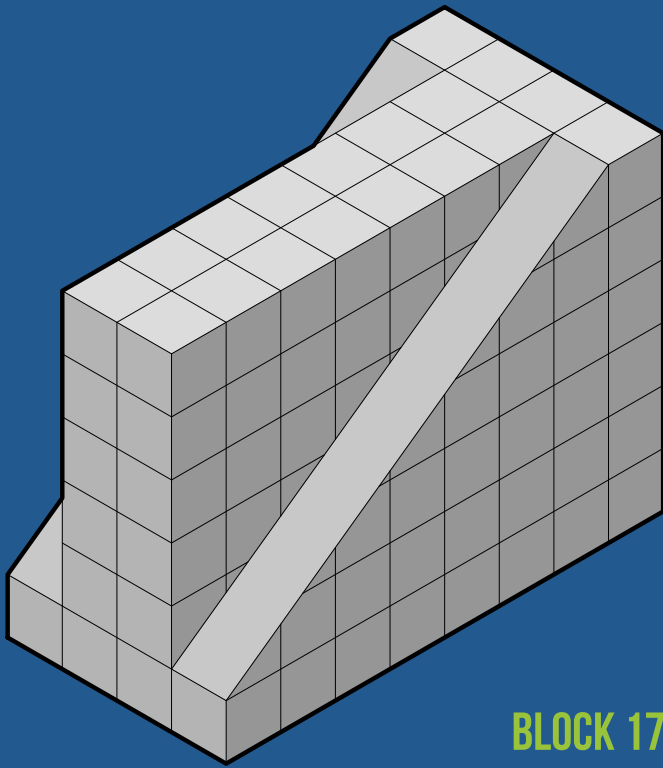
BLOCK 15



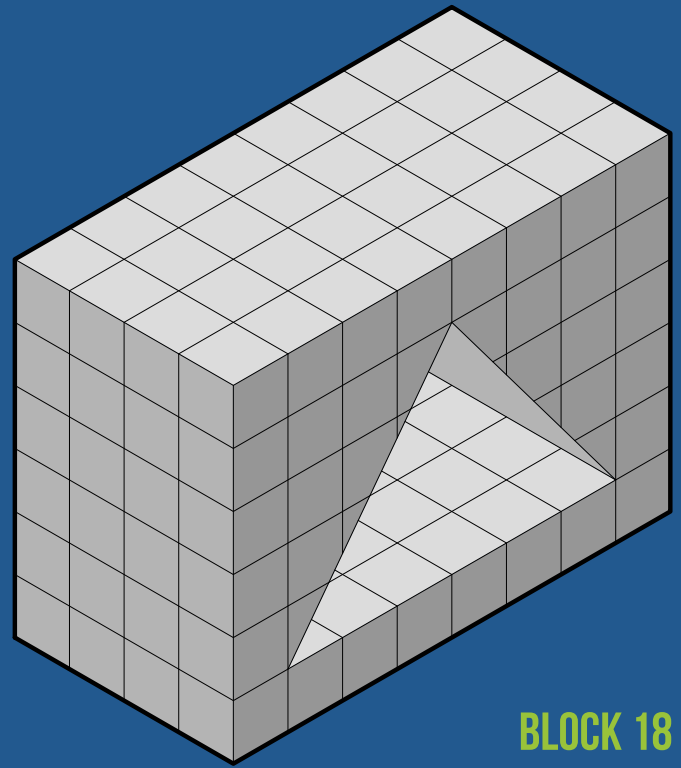
BLOCK 16

LEVEL_FIVE

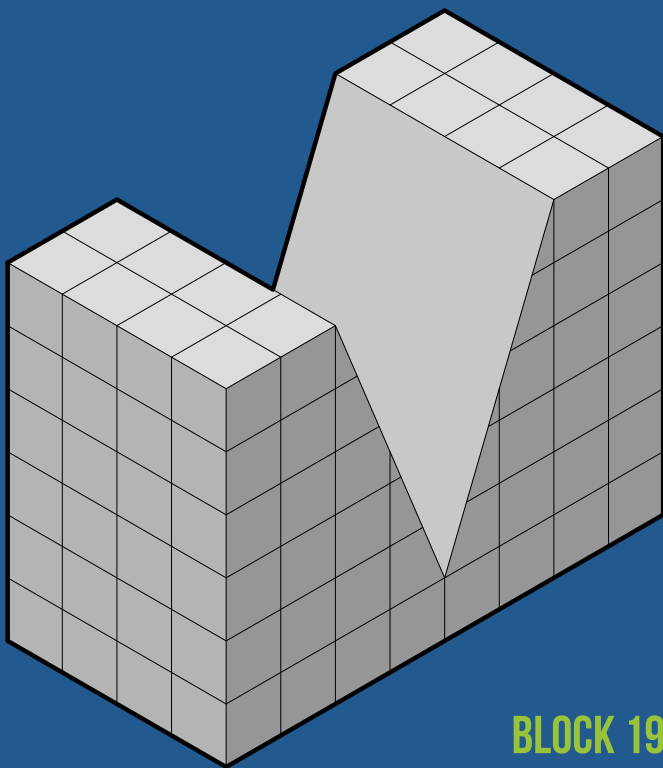
These are tough shapes to sketch orthographically. The hidden detail created by these blocks will have you scratching your head.



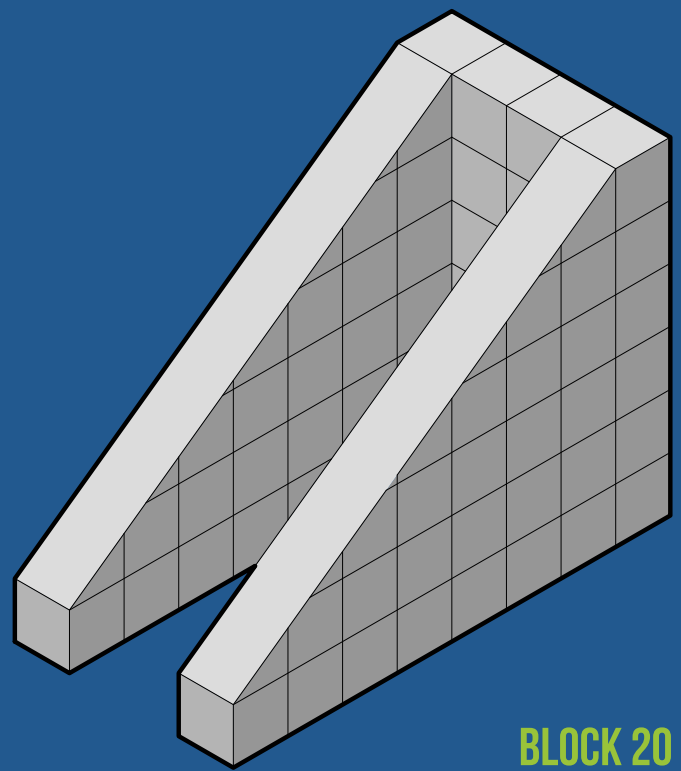
BLOCK 17



BLOCK 18



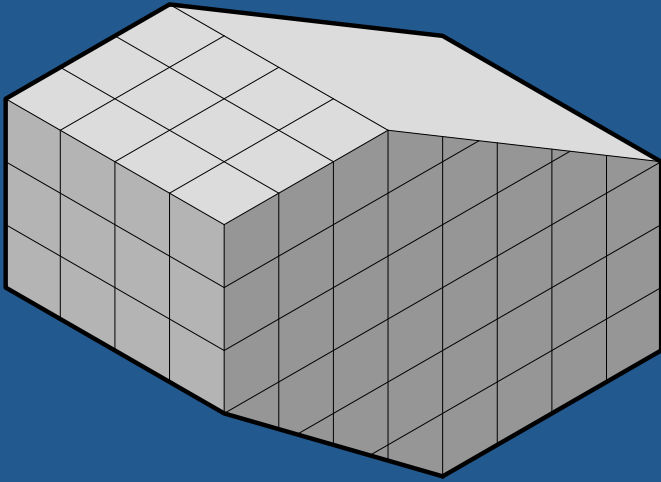
BLOCK 19



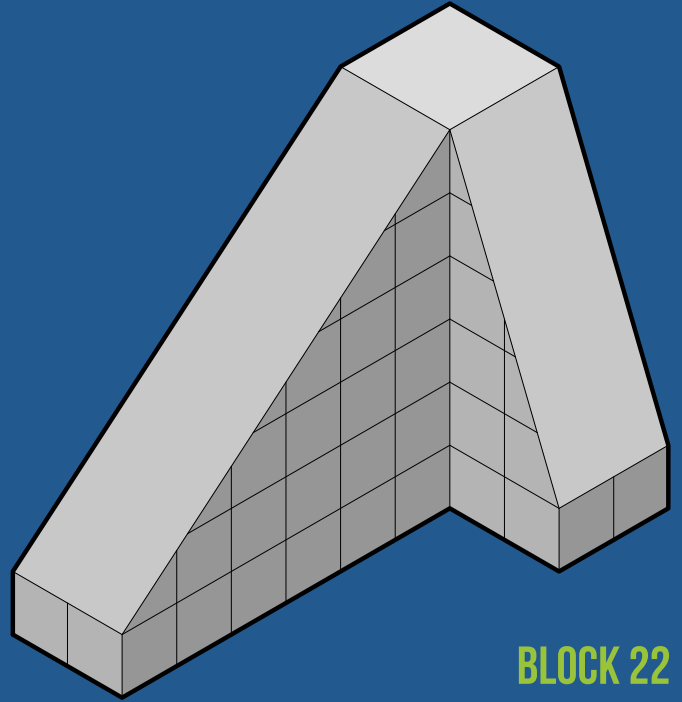
BLOCK 20

LEVEL_SIX

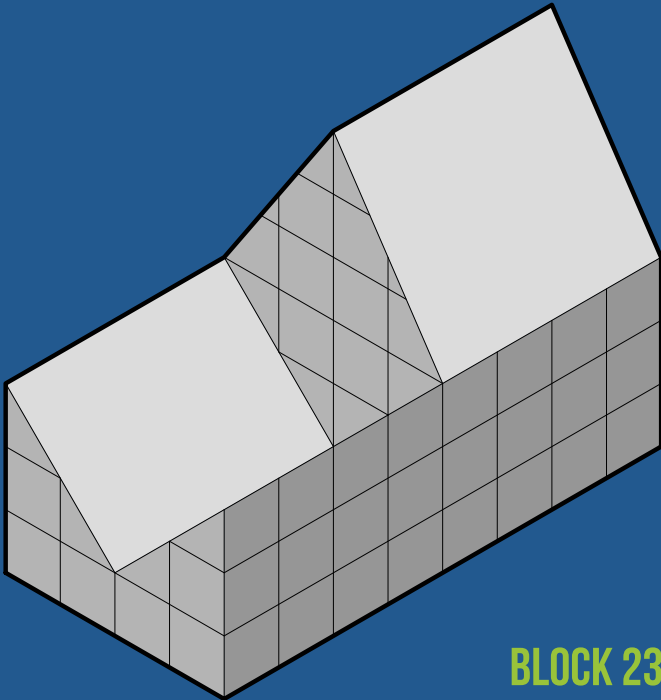
The hardest blocks in this section! Only those true graphic geniuses will get these correct.



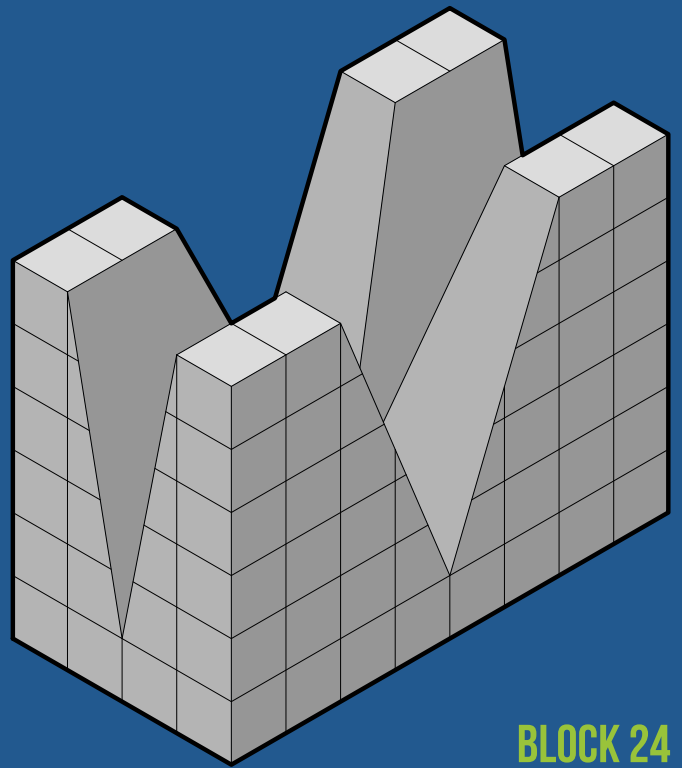
BLOCK 21



BLOCK 22



BLOCK 23



BLOCK 24



COURSE NOTES V2.0

This work is licensed under the
Creative Commons Attribution 4.0 International License.
To view a copy of this license, visit
<http://creativecommons.org/licenses/by/4.0/>