

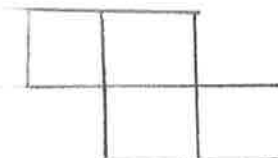
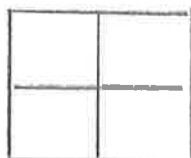
Dear pupils,

We wondered whether you could design us some homes. Each home should be made out of 4 cubes and we would like 12 different homes designed.

Many Thanks

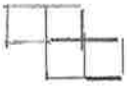
Neville, Lucy, Simon and Flo.

Draw your 12 designs here: (or as many as you can)

Challenge: Taking this further and finding out the cost of homes.

Choose 4 of your designs and work out the cost of each house. Please write down the numbers you need in the table and the calculation. If you are finding the adding really tricky, you may wish to use a calculator.

Drawing Chosen	Squares of land used and total cost (squares that touch the ground)	Cube faces exposed and cost (this is ALL faces that do not touch the ground)	Total cost
 If your model stood up, one face would be on the ground. 1 square = £36	If your model stood up, one face would be on the ground. 1 square = £36	Total faces 18 - 1 face on ground = 17 18 - 1 = 17, 17 x £7 = £119	£36 + £119 = £155