

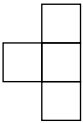
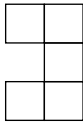
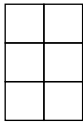


Appendix 5.4

Explanatory Notes

Polyominoes

A set of two-dimensional shapes formed by congruent squares connected to each other by at least one side. A polyomino can have a particular name depending on the number of squares it is made up of (for example, domino, tromino). The following table shows the names of the main kinds of polyominoes and the number of possible figures of each kind.

Name	Domino	Tromino	Tetromino	Pentomino	Hexomino
Number of squares	2	3	4	5	6
Number of possible figures	1	2	5	12	36
Example					

Pentominoes (see Appendix 5.2)

A pentomino is a polyomino formed by five congruent squares. Each of the 12 different pentominoes is sometimes identified by a letter evoking its shape: F, I, L, N, P, T, U, V, W, X, Y, Z.

Pentominoes (see Appendix 5.3)

A pentacube is a three-dimensional object formed by five congruent cubes connected to each other by at least one face. There are 29 different pentacubes. Of these, 12 pentacubes have two faces with an area of 5 square units; those are usually referred to as "flat pentacubes". Each of the 12 flat pentacubes can be associated with the 12 pentominoes and the letters F, I, L, N, P, T, U, V, W, X, Y and Z.