[Means for Solving the Problems]

[0004a] According to one aspect, there is provided a regular hexahedral block (B) connectable with at least another block by fitting a protrusion provided on a surface of one of the blocks into a recessed portion provided in a surface of the other block, wherein a protrusion (B11) for connecting the regular hexahedral block to another regular hexahedral block is formed on a first surface (B1) of the regular hexahedral block at the center of one quarter section of the first surface, three recessed portions (B12, B13, B14) are formed at the center of the three quarter section of the first surface of the regular hexahedral block where the protrusion is not formed, and at least one further recessed portion (B21, B41, B51, B61) is provided at the center of one quarter section of each of the second, fourth, fifth and sixth surfaces (B2, B4, B5, B6) of the regular hexahedral block perpendicular to the first surface and at least one further recessed portion (B31) is provided at the center of one quarter section of the third surface (B3) of the regular hexahedral block parallel to the first surface.

[0005]

Exemplary embodiments are directed to a hexahedral block connectable with at least another block by fitting a protrusion provided on a surface of one of the blocks into a recessed portion provided in a surface of the other block, in which one protrusion is formed on at least one surface of the hexahedron at a position displaced from the center of the surface, and in which at least one

recessed portion is formed in at least another surface of the hexahedron at a position displaced from the center of the surface.

The hexahedron may be a regular hexahedron.

The protrusion may be provided at the center in one quarter section of one of the six surfaces, and the recessed portion is provided at the center in one quarter section of at least one of the other five surfaces.

The at least one recessed portion may be provided in each of the other five surfaces.

The recessed portion may be provided at the center in each of two quarter sections of the one surface.

The recessed portion may be provided at the center in each of three quarter sections of the one surface.

The recessed portion may be provided at the center

in each of four quarter sections of the one surface.

The protrusion may have a square cross-sectional shape, and the recessed portion may include four inner wall surfaces and may have a cross-sectional shape into which the protrusion is fittable.

A rib may be formed on at least one of the inner wall surfaces of the recessed portion.

[Advantageous Effects of the Invention]

[0006]

In accordance with the connectable block according to the present invention, at least one surface of the hexahedron has only one protrusion formed thereon, which requires a profound spatial thought process to obtain complex three-dimensional structures, exhibiting a beneficial effect on spatial recognition and intellectual training. In addition, since the one protrusion is formed at a position displaced from the center of the surface, various connection structures can be obtained depending on into which recessed portion of another block to fit the protrusion.

The connectable block according to the present invention thus requires a thought process for profound spatial recognition to obtain various three-dimensional shapes, providing good intellectual training and game elements.