Properties of 2D Shapes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Picture** | **Shape** | How many sides? | Curved or straight sides? | How many vertices? (corners) | Other |
| http://upload.wikimedia.org/wikipedia/commons/thumb/4/4f/Simple_triangle.svg/2000px-Simple_triangle.svg.png | Triangle | 3 | Straight | 3 |  |
| http://jwilson.coe.uga.edu/emt725/SqToAcuteTri/Square.gif | Square |  |  |  | 4 right angles |
| http://upload.wikimedia.org/wikipedia/commons/b/ba/Rhombus.png | Rhombus or  Diamond |  |  |  |  |
| http://static.thecoloringbookpages.com/media/large/educational/shapes/rectangle_shape_coloring_page.gif | Rectangle |  |  |  |  |
| http://education-portal.com/cimages/multimages/16/shapes_parallelograms.png | Parallelogram |  |  |  |  |
| http://i.stack.imgur.com/itXeW.png | Trapezium |  |  |  |  |
| http://www.kidsmathgamesonline.com/images/pictures/shapes/pentagon.jpg | Pentagon |  |  |  |  |
| http://etc.usf.edu/clipart/40600/40681/pb_hex_40681_md.gif | Hexagon |  |  |  |  |
| http://www.wpclipart.com/education/geometry/octagon_8_sides_T.png | Octagon |  |  |  |  |
| http://upload.wikimedia.org/wikipedia/commons/thumb/a/a0/Circle_-_black_simple.svg/2000px-Circle_-_black_simple.svg.png | Circle |  |  |  |  |
| http://etc.usf.edu/clipart/40500/40527/pie_01-02g_40527_lg.gif | Semicircle |  |  |  |  |
|  | Ellipse or  Oval |  |  |  |  |

Properties of 3D Shapes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Picture** | **Shape** | **Edges**  How many?  Curved or straight? | How many **vertices**? (corners) | **Faces**  How many?  Curved or flat?  What 2D shape? |
| http://www.lmatool.com/_gr/downloads/physics_EN/introduction_files/shapes_cube-solid.png | Cube | 12 straight edges | 8 | 6 flat square faces |
| http://image.wistatutor.com/content/feed/u826/cuboid.PNG | Cuboid |  |  |  |
| http://upload.wikimedia.org/wikipedia/commons/thumb/7/7e/Sphere_-_monochrome_simple.svg/2000px-Sphere_-_monochrome_simple.svg.png | Sphere |  |  |  |
| http://i.stack.imgur.com/ZjMEF.png | Hemisphere |  |  |  |
| http://studentweb.wilkes.edu/jennifer.gillespie/gillespiefinalproject/pyramid%20teacher%20files.jpg | Square-based  Pyramid |  |  |  |
| http://mjv.50webs.com/solids/images/cylinder.png | Cylinder |  |  |  |
| http://www.abcteach.com/free/c/conegrayscale.jpg | Cone |  |  |  |
| http://exchangedownloads.smarttech.com/public/content/6f/6f018289-5a72-4d56-b388-6314c426ae87/previews/medium/0001.png | Prism |  |  |  |

Properties of 3D Shapes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Picture** | **Shape** | **Edges**  How many?  Curved or straight? | How many **vertices**? | **Faces**  How many?  Curved or flat?  What 2D shape? |
| http://www.lmatool.com/_gr/downloads/physics_EN/introduction_files/shapes_cube-solid.png | Cube | 12 straight edges of equal length | 8 | 6 flat square faces |
|  |  |  |  | 2 flat square faces and 4 flat rectangular faces |
|  |  | 0 |  |  |
| http://i.stack.imgur.com/ZjMEF.png |  |  |  |  |
|  | Square-based  Pyramid |  |  |  |
|  |  | 2 curved edges |  |  |
|  |  |  | 1 | 1 flat circular face and  1 curved face |
|  | Prism |  |  |  |

Properties of 2D Shapes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Picture** | **Shape** | How many sides? | Curved or straight sides? | How many vertices? (corners) | Other |
| http://upload.wikimedia.org/wikipedia/commons/thumb/4/4f/Simple_triangle.svg/2000px-Simple_triangle.svg.png | Triangle | 3 | Straight | 3 |  |
|  |  | 4 |  |  | All sides the same length |
| http://upload.wikimedia.org/wikipedia/commons/b/ba/Rhombus.png |  |  |  |  |  |
|  |  |  |  |  | 4 right angles |
| http://education-portal.com/cimages/multimages/16/shapes_parallelograms.png |  |  |  |  |  |
|  | Trapezium |  |  |  | Quadrilateral |
|  |  |  |  | 5 |  |
|  | Hexagon |  |  |  |  |
|  |  | 8 |  |  |  |
|  |  |  |  | 0 |  |
|  |  |  | 1 curved  1 straight |  |  |
|  | Ellipse |  |  |  |  |