**DRAFTING 10 INTRODUCTION TO 3-D Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Attributes (the basis of 2-D) can include color, shape, straight line, curved line, and size but also the following, give the definition of each:

Vertex -

Edge -

Face -

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Shape | ATTRIBUTES how many faces, edges and vertices | SKETCH | **Scavenger Hunt around home:** Real world Example 1 (Just list; not draw) | Real world Example 2 (Just list, not draw) |
| cone |  |  |  |  |
| cylinder |  |  |  |  |
| Rectangular prism |  |  |  |  |
| cube |  |  |  |  |
| Rectangular prism |  |  |  |  |
| Square based pyramid |  |  |  |  |
| Sphere |  |  |  |  |
| And many many more |

What about combined 3-d shapes?? Think about these: Complete the chart.

|  |  |  |
| --- | --- | --- |
| Item | Combined 3-D shapes | Sketch |
| Microphone | Cone and sphereOr cylinder and sphere | https://tse4.mm.bing.net/th?id=OIP.1ZXYnjqDruqKkzvX5ak9gwHaHa&pid=Api&P=0&w=300&h=300http://sr.photos1.fotosearch.com/bthumb/CSP/CSP994/k15771734.jpg |
|  |  | http://cliparts.co/cliparts/kT8/nKy/kT8nKyqpc.gif |
|  | Two rectangular prisms |  |
| Ice cream cone |  |  |
|  |  | https://tse3.mm.bing.net/th?id=OIP.EnCCCnER3lZAOQfMTScR1AHaFk&pid=Api&P=0&w=221&h=167 |
| Basic house |  |  |
|  |  | https://tse4.mm.bing.net/th?id=OIP.T3lRIkWzl_iWl-4dExkrGwHaEK&pid=Api&P=0&w=310&h=175 |
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