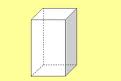
Mathematics

Power Standard 8:11

Pretest

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_

[](http://www.ouronlineschools.org/Schools/NC/Demoschool/3rdGrade/Math/Images/RectangularPrism.jpg)

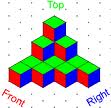
1. Identify the figure above. Identify number of faces, vertices, and edges.

Name of figure\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# of faces\_\_\_\_\_\_\_\_

# of vertices\_\_\_\_\_\_\_\_

# of edges\_\_\_\_\_\_\_\_\_

1. Does a prism ever have 2 bases and 5 sides? Explain your reasoning.
2. [](http://www.google.com/imgres?imgurl=http://illuminations.nctm.org/lessons/isometric/frt1.gif&imgrefurl=http://illuminations.nctm.org/LessonDetail.aspx?ID=L610&usg=__X53-gjC8rugbOqfxDxCtb9o2WW4=&h=248&w=254&sz=6&hl=en&start=6&um=1&itbs=1&tbnid=O5jeqgUOycIo_M:&tbnh=108&tbnw=111&prev=/images?q=isometric+drawings&um=1&hl=en&sa=X&rls=com.microsoft:en-us:IE-SearchBox&rlz=1I7ADBS_en&tbs=isch:1) Draw a mat plan for the 3-D figure below. Then draw the front view, side view, and top view.

Mat plan:

Front view:

Right Side view:

Top view:

1. Use the mat plan below to draw a 3-D figure on isometric dot paper.

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 2 | 2 | 2 |
| 2 | 2 | 1 |  |
| 1 | 1 |  |  |

