Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

**[](http://www.google.com/url?sa=i&rct=j&q=play+doh&source=images&cd=&cad=rja&docid=EG_iVsxqudeGhM&tbnid=9EH3A7bBOzKPsM:&ved=0CAUQjRw&url=http://kiki-list.blogspot.com/2011/03/oh-for-play-doh-petes-sake.html&ei=93SAUebmE4_BywHD_IDgAg&bvm=bv.45921128,d.aWc&psig=AFQjCNGkbJ2OFM6qXN2UA5m8KH9Ir3Qevg&ust=1367459438042525)Play-Doh Math**

1. Take a piece of Play Dough and form it into the following shapes.
2. Use the paper clip to slice through your prism.
3. Draw the two-dimensional shape of each cross-section, and tell me what shape it is.

**Parallel Cross Section**

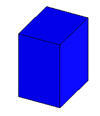
**Perpendicular Cross Section**

**Corner Cross Section**

**Parallel Cross Section**

**Perpendicular Cross Section**

**Corner Cross Section**

[](http://www.google.com/imgres?sa=X&rlz=1T4ADRA_enUS464US464&biw=1366&bih=554&tbm=isch&tbnid=b91dNXjj2ouRgM:&imgrefurl=http://ubhip.com/shop/jasper-cube-2/&docid=uMWoRNWXVMuQ3M&imgurl=http://ubhip.com/wp-content/uploads/2012/10/jasper-cube-green1.jpg&w=1280&h=1280&ei=DnC4Uf2ZNoK6yQGgioHgBg&zoom=1&ved=1t:3588,r:18,s:0,i:144&iact=rc&dur=1857&page=2&tbnh=177&tbnw=213&start=14&ndsp=20&tx=143&ty=94)[](http://www.google.com/url?sa=i&rct=j&q=&esrc=s&frm=1&source=images&cd=&cad=rja&docid=B7LfptgKYYxgkM&tbnid=oNyBKNzYjG1wQM:&ved=0CAUQjRw&url=http://blogs.solidworks.com/teacher/2006/08/surface_area_an.html&ei=ynG4Uf2YKKjnyAH3z4CoCw&bvm=bv.47810305,d.aWc&psig=AFQjCNGs9Q1CX6_YPeX-lz-0MM_OmQZhyQ&ust=1371128619299319)

**Parallel Cross Section**

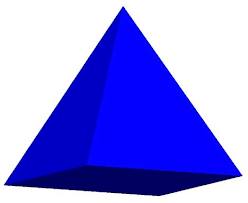
**Perpendicular Cross Section**

**Diagonal Cross Section**

**Parallel Cross Section**

**Perpendicular Cross Section**

**Diagonal Cross Section**

[](http://www.google.com/imgres?sa=X&rlz=1T4ADRA_enUS464US464&biw=1366&bih=554&tbm=isch&tbnid=LZefK3faCPrMnM:&imgrefurl=http://www.ehow.com/how_8365534_perimeter-prism.html&docid=LKFBs8UEQErpXM&imgurl=http://img.ehowcdn.com/article-new/ehow/images/a07/v9/eu/perimeter-prism-800x800.jpg&w=300&h=300&ei=WXG4Uc2SKoeeywG4qoH4Ag&zoom=1&ved=1t:3588,r:40,s:0,i:212&iact=rc&dur=2003&page=3&tbnh=187&tbnw=187&start=30&ndsp=19&tx=119&ty=101)[](http://www.google.com/imgres?sa=X&rlz=1T4ADRA_enUS464US464&biw=1366&bih=554&tbm=isch&tbnid=h3UDMiuPlnU4vM:&imgrefurl=http://studentweb.wilkes.edu/jennifer.gillespie/gillespiefinalproject/3d%20geometry.html&docid=O9j5Ll2TjvMQlM&imgurl=http://studentweb.wilkes.edu/jennifer.gillespie/gillespiefinalproject/pyramid%20teacher%20files.jpg&w=468&h=384&ei=EXG4UZ2GArO1ywGlx4DwBg&zoom=1&ved=1t:3588,r:22,s:0,i:158&iact=rc&dur=484&page=2&tbnh=161&tbnw=197&start=13&ndsp=21&tx=106&ty=132)



**Parallel Cross Section**

**Perpendicular Cross Section**

**Diagonal Cross Section**