**Chapter 8 Surface Area and Volume**

**Make sure all work for the unit is done on paper - you will turn in all work for credit.**

**Section 8.1 Volume of Cylinders**

**Video Tutorials - You need to watch each required video in order to cover all the learning targets.**

**Video #1 (or more) Volume of Cylinders. Pick at least one.**

[Volume of Cylinders KhanAcademy](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-geometry/cc-8th-volume/v/cylinder-volume-and-surface-area)

[Volume of Cylinders video #2](http://www.youtube.com/watch?v=6KrZVsnynpU)

[Volume of Cylinders video #3](http://www.youtube.com/watch?v=bLcWOqL8uP8)

[Volume of Cylinders Educreations](http://www.educreations.com/lesson/view/volume-of-cylinders-double-radius/6389451/)

**Video #2 Finding the Height of a Cylinder. Both Videos are required content.**

[Finding Height video 1](http://www.youtube.com/watch?v=YMltt8NRKkA)

[Finding Height video 2](http://www.youtube.com/watch?v=bON3X7UpFRE)

Video #3 Finding the Radius of a Cylinder.

[Finding the Radius](http://www.youtube.com/watch?v=R_E-RObMJ0Q)

**Video Tutorials from the Big Ideas Text**

[Example 1](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%202/ltut_7_07_02_1/ltut_7_07_02_1.html)

[Example 2](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%202/ltut_7_07_02_2/ltut_7_07_02_2.html)

[Example 3](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%202/ltut_7_07_02_3/ltut_7_07_02_3.html)

[Example 4](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%202/ltut_7_07_02_4/ltut_7_07_02_4.html)

8.1 mini assessment.doc

**Section 8.2 Volume of Cones**

**Finding the Volume of Cones**

[Volume of Cones Khan Academy](https://www.khanacademy.org/math/cc-eighth-grade-math/cc-8th-geometry/cc-8th-volume/v/volume-cone-example)

**You don't need to watch the video on volume of pyramids after the volume of cones is explained**

[Volume of Cones Educreations](http://www.educreations.com/lesson/view/lesson-86-course-3/5105817/)

[Volume of cones video #3](http://www.educreations.com/lesson/view/volume-of-cones/6674887/)

[Volume of cones video #4](http://www.youtube.com/watch?v=rP7ZjyYwqHo)

**Finding the Height of Cones**

[Height of cones](http://www.youtube.com/watch?v=-MQJkqMMm3Y)

**Finding the Radius of Cones**

[Finding the radius of a cone](http://www.youtube.com/watch?v=_K1OVZpycqo)

[FInding radius - sound isn't great but a clear example](http://www.youtube.com/watch?v=_K1OVZpycqo)

**Video Tutorials from the Big Ideas Text**

[Example 1](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%204/ltut_7_07_04_1/ltut_7_07_04_1.html)

[Example 2](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%204/ltut_7_07_04_2/ltut_7_07_04_2.html)

[Example 3](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%204/ltut_7_07_04_3/ltut_7_07_04_3.html)

[8.2 mini assessment.doc](file:///D%3A%5CUsers%5Clesliekohrman%5CDownloads%5Ckohrman14%5CmainSpace%5Cfiles%5C8.2%20mini%20assessment.doc)

**Section 8.1 and 8.2 Quiz is on the Big Ideas site- make sure you record all of your work on paper (you will turn this in!)**

**Section 8.3 Finding Volume of Spheres**

**Video Tutorials - You need to watch each required video in order to cover all the learning targets.**

**Volume of Spheres**

[**Educreations: Short Volume of Spheres**](http://www.educreations.com/lesson/view/volume-of-spheres/5894159/)

**Find the Radius of a Sphere: Required**

[Finding Radius Video #1](http://www.youtube.com/watch?v=UxL_-iwAHOo)

[Finding Radius Video #2](http://www.youtube.com/watch?v=-xgOi4Bpi3s)

**Finding Volume of Composite Figures: Required**

[Composite Solids Video #1](http://www.educreations.com/lesson/view/volume-of-composite-solids/19889272/)

[Composite Solids Video #2](http://www.youtube.com/watch?v=bolTauMy4B4)

**Video Tutorials from the Big Ideas Text**

[Example #1](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc14/grade%208/chapter%208/section%203/14_ltut_8_08_03_1/14_ltut_8_08_03_1.html)

[Example #2](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc14/grade%208/chapter%208/section%203/14_ltut_8_08_03_2/14_ltut_8_08_03_2.html)

[Example #3](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc14/grade%208/chapter%208/section%203/14_ltut_8_08_03_3/14_ltut_8_08_03_3.html)

[8.3 mini assessment.doc](file:///D%3A%5CUsers%5Clesliekohrman%5CDownloads%5Ckohrman14%5CmainSpace%5Cfiles%5C8.3%20mini%20assessment.doc)

**Section 8.4 Similar Solids**

[Educreations Similar Solids](http://www.educreations.com/lesson/view/lesson-8-5-5b-objective-96/19413781/)

[This is a good one - it is outlined like the learning targets](http://www.youtube.com/watch?v=dyTOqEAn3H0)

[Similar Solids Video #3](http://www.youtube.com/watch?v=msKLXIjDDwg)

[This is a QUICK review of this topic](http://www.youtube.com/watch?v=6jSatWpn9qY)

**Video Tutorials from the Big Ideas Text**

[Example #1](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%206/ltut_7_07_06_1/ltut_7_07_06_1.html)

[Example #2](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%206/ltut_7_07_06_2/ltut_7_07_06_2.html)

[Example #3](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%206/ltut_7_07_06_3/ltut_7_07_06_3.html)

[Example #4](https://www.bigideasmath.com/protected/content/dcs_cc2/tutorials/mp4/cc12/grade%207/chapter%207/section%206/ltut_7_07_06_4/ltut_7_07_06_4.html)

[8.4 mini assessment.doc](file:///D%3A%5CUsers%5Clesliekohrman%5CDownloads%5Ckohrman14%5CmainSpace%5Cfiles%5C8.4%20mini%20assessment.doc)

**Section 8.3 and 8.4 Quiz is on the Big Ideas site- make sure you record all of your work on paper (you will turn this in!)**

**Homework Answer Key - Grade and Correct Each Assignment Before Taking the Section Mini-Assessment**

[blue ch 8 Homework Answer Keys.docx](file:///D%3A%5CUsers%5Clesliekohrman%5CDownloads%5Ckohrman14%5CmainSpace%5Cfiles%5Cblue%20ch%208%20Homework%20Answer%20Keys.docx)

**Mini-Assessment Answer Keys - Grade and Record Scores - Make sure you understand how to solve any questions you missed!**

[Blue Mini-Assessments Answer Key.docx](file:///D%3A%5CUsers%5Clesliekohrman%5CDownloads%5Ckohrman14%5CmainSpace%5Cfiles%5CBlue%20Mini-Assessments%20Answer%20Key.docx)

**You Must Complete a Notecard or Study Guide for each of the 4 Chapter Sections**

**The Review Assignment is on the Big Ideas site - record your work on paper**

**The Practice Test is on the Big Ideas site- make sure you record all of your work on paper**