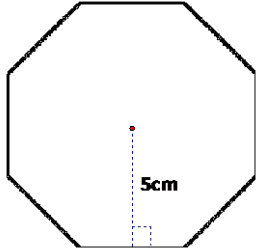
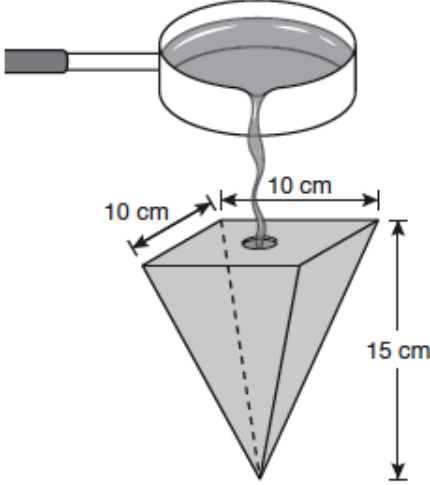
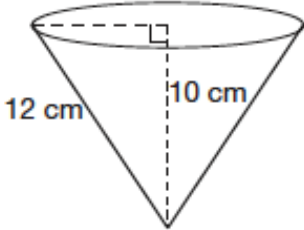
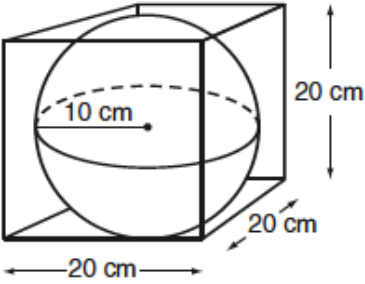


Concept/Skill	Self Tracking	Practice Problems
<p>0 Getting Ready</p>		p.401#1-11
<p>1 I can solve problems involving areas and perimeters of composite two-dimensional shapes.</p> <p>Determine the perimeter of the figure with an apothem of 5cm and an area of 125cm^2.</p> 	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	p.406 #6-13, 17, 23
<p>2 I can solve problems involving the volumes of prisms, cylinders, cones, pyramids, and spheres, including composite figures.</p> <p>a) The mould shown below is used to make a candle in the shape of a square-based pyramid.</p> <p>b) What is the volume of the mould?</p> 	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	(prism, cylinder) p.413-14 #1-4, 6-8, 10, 15, 16 (cone) p.421-23 #2a, 3b, 5, 7, 9, 11, 14, 15 *Homework presentations
<p>3 I can solve problems involving the volumes of prisms, cylinders, cones, pyramids, and spheres, including composite figures.</p> <p>a) Determine the volume of the cone.</p>  <p>b) Determine the volume of space around the basketball.</p> 	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	(pyramid) p.421-23 #1, 2bcd, 3a, 6, 8, 10, 12, 13, 16 (sphere) p.427-28 #1, 2, 3ace, 4, 8-14, 16 *Homework presentations
<p>4 I can determine the surface area of prisms, cylinders, pyramids, cones and spheres.</p> <p>a) Determine the surface area of the basketball in #2b above.</p> <p>b) Determine the surface area of the pyramid in #2a above.</p>	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	(prism, cylinder) p.433 #2, 3, 6, 7, 9-11 (pyramid, cone, sphere) p.439 #4-6, 10-11(odd) p.455 #1, 4, 5, 8 *Homework presentations
<p>5 QUIZ Skills 1-4 Thursday April 30th</p>		

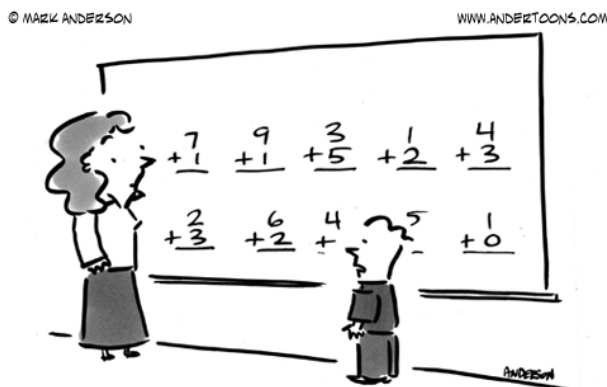
Concept/Skill	Self Tracking	Practice Problems
6 I can determine the minimum perimeter of a rectangle given a fixed area. What is the shortest amount of fencing required to surround an area of 250m^2 ?	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	Optimization Handout *Homework presentations
7 I can determine the maximum area of a rectangle given a fixed perimeter. What is the maximum area of garden you could edge with 50m of edging?	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	
8 I can explain the significance of optimal area, surface area, or volume. a) When will a cylinder with a fixed volume have the minimum surface area? b) When will a prism with a fixed volume have the minimum surface area?	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	(cylinder) p.465 #6ac, 7ac, 8, 9, 10(odd), 14 (prism) p.471 #3-5(odd), 6, 7, 8-10(odd)
9 I can solve problems involving maximizing and minimizing measurements. a) Determine the dimensions of a cylinder that will minimize its LATERAL surface area if the volume is 785cm^3 . b) Determine the dimensions of a prism with a maximum volume if the surface area is 216m^2 .	<input type="checkbox"/> I'm an expert <input type="checkbox"/> I need a bit more practice <input type="checkbox"/> I will get extra help	*Homework presentations
10 Review	p.456 #1-9 p.477 #1-4(odd) p.479-80 #8-12 (odd) *Homework presentations	
11 TEST Thursday, May 14 th , 2015	Unit Study Notes Due!	

*You will be assigned homework question(s) to present to the class. See handout for specific details.

For this unit, you will need to print out the **EQAO Academic Formula Sheet** to use as you solve problems. You can find this on the EQAO website, or by following the link on my website.

Other Important Dates:

- **Thursday May 28th – Mock EQAO**
- **Friday May 29th and Monday June 1st – Mock EQAO returned and discussed**
- **Tuesday June 2 (booklet 1) & Thursday June 4 (booklet 2) – EQAO (10% of final grade)**
- **Friday June 19th, 8:30 am FINAL EXAM 😊 (20% of final grade)**



"All I'm saying is we plug these into Excel, let it do its thing, and then we can all play until lunch!"