

## Chapter 7 Wrap It Up!

This worksheet will help you with the Chapter 7 Wrap It Up! on page 279.

Your local Parks Committee has asked you to create a design for an eating area. Your design must include the items in the table below.

1. Fill in the table for each item as follows:

- For a), indicate the shape. Your design must include a rectangular prism, a triangular prism, and a cylinder.
- For b), make a sketch and clearly label all of the dimensions.
- For c), determine the volume of concrete needed to make the item. Show your calculations.
- For d), calculate the cost of the concrete, to the nearest dollar. The cost of concrete is \$150/m<sup>3</sup>. Show your calculations.

**Hint:** 1 m<sup>3</sup> = 1 000 000 cm<sup>3</sup>

Item	a) Shape	b) Sketch with Dimensions	c) Volume of Concrete	d) Cost of Concrete
Shelter				
Table				
Two benches				
Garbage container or planter				

2. On a separate sheet, sketch a plan of the eating area including all of the items listed above.