

Section 7.1 Math Link

This worksheet will help you with the Math Link on page 253.

Some parks have picnic shelters around the eating areas. These shelters consist of two or three walls. The walls are often made of concrete.

1. Sketch a picnic shelter.

2. Sketch a picnic table inside the shelter.

3. a) Label the following dimensions in the sketch.

- The picnic table has a rectangular top that is 1.8 m long and 0.74 m wide.
- The area of the end of each wall is 0.48 m^2 .

b) Using the dimensions of the picnic table as a guide, what length should each of your walls be? _____
Label these dimensions in the sketch.

4. Calculate the volume of concrete needed to make the walls of the shelter by following these steps.

- Label each wall in your sketch with a number from 1 to 3.
- Fill in the table below and calculate the volume of each wall.

Wall Number	Dimensions	Volume
1		
2		
3 (optional)		
Total Volume		

Show your calculations on the back of the page.