

# Soup for Lunch

Tess and Sam decided to make soup for lunch for the Volume Detective Society. They need to prepare about 2 cups of soup for each person.

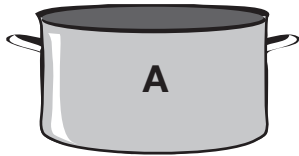
1. Complete the table to help Tess and Sam plan for the different numbers of guests.

**Guests and Cups of Soup**

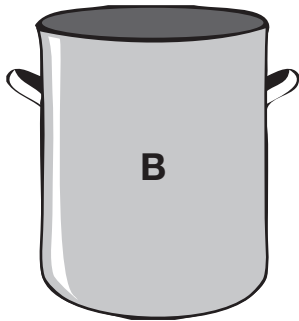
Number of Guests	Cups of Soup
1	2
5	
10	
	40
30	
50	

2. If 100 people attend the lunch, about how many cups of soup will they need? Show or tell how you decided.
  
3. If 500 people attend the lunch, about how many cups of soup will they need? Show or tell how you decided.
  
4. Sam and Tess made 70 cups of soup. How many people will they be able to serve?

5. Tess and Sam have the following collection of pots to cook the soup. They measured to find the volume of each pot. Use their notes to determine the number of cups in each pot.

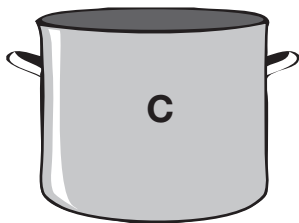


Holds  
20 cups



Holds the volume  
of Pot A 2 times

\_\_\_\_\_ cups



Holds the volume  
of Pot A and  
 $\frac{1}{2}$  the volume of Pot A.

\_\_\_\_\_ cups

6. Which pot should Tess and Sam use for each number of guests? Show or tell how you decided.
- A. 10 guests
- B. 40 guests