

Food and Water Basic Calculations:

The Coast Guard guideline for lifeboats is 800 calories per person per day. SOS/Datrex 2400 calorie bars contain 6 individually wrapped 400 calorie portions.

The Coast Guard guideline for lifeboats is 8.5 ounces (200 ml) of water. SOS water pouches contain 4.227 ounces each. Some don't think that this is enough, so they use a standard of three pouches per day with an additional pouch for "first half hour" pouch if the budget allows. Having water immediately can help to calm the nerves and relieve some stress. Some of schools have added this extra pouch.

The attrition factor works as such (with example numbers from a 500-person school (student and adults in the building on an average day):

- 1st 24 hours - 500 (100%) people on campus
- 2nd 24 hours - 250 (50%) people on campus
- 3rd 24 hours - 125 (25%) people on campus

By the end of the third day we would expect the campus to be empty. In planning for food and water you don't need 3 days' worth for 500 people, just enough for those you expect to be on campus. If you total up the percentages about you end up with 175% (100 + 50 +25). This means that if you plan for 175% of your total population (in this case 500), you will meet the lessening needs over the three days.

Here's how it tabulates in our example:

	People on Campus	Food Bars Needed (Each contains 6 400 Calorie Portions)	Water Pouches Needed (3 per day per person)
1st 24 hours - (100%) people on campus	500	166	1500
2nd 24 hours - (50%) people on campus	250	83	750
3rd 24 hours - (25%) people on campus	125	42	375
Total "Person Days" needed -Food/Water	875	291	2635