

# The Water Bottle Problem

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After watching many students leave the classroom to fill their water bottles, I've decided that there must be a better method of getting what we need. I've looked into purchasing a few large water bottles like the one below. I've calculated that an average student will drink just over half of one bottle,  $\frac{3}{5}$  to be exact.

1. How many students will be supplied with water if I purchase four water bottles? (There is no right or wrong way to solve this. Push yourself to come up with more than one method to solve it.)



2. How many water bottles would I need to supply the entire class for one day? (There is no right or wrong way to solve this. Push yourself to come up with more than one method to solve it.)