

How many bottles of fruit tea can be placed in the locker

How many lockers are there?

1) There are 1000 lockers numbered 1 - 1000. Suppose you open all of the lockers, then close every other locker. Then, for every third locker, you close each opened locker and open each closed locker. You follow the same pattern for every fourth locker, every fifth locker, and so on up to every thousandth locker.

How many lockers are left open?

The only doors left open with 10 lockers are 1, 4, and 9. One way to work the problem is to do this with more lockers and look for a pattern in the numbers of the lockers left open; a better way is to look for a REASON why there should be a pattern. What is it that makes one locker end up open and another end up closed?

How many lockers are numbered 1 - 1000?

Here is a question from 1996, which asked about two problems, the first of which is our subject: 1) There are 1000 lockers numbered 1 - 1000. Suppose you open all of the lockers, then close every other locker. Then, for every third locker, you close each opened locker and open each closed locker.

What happens if a third student opens a locker?

The second student will enter and close every locker with an even number. The third student will then "reverse" every third locker; that is, if the locker is closed, he will open it; if it is open, he will close it.

Maintaining a keen understanding of locker capacities is fundamental to optimizing storage decisions. The complexities surrounding how much storage lockers can accommodate ...

Estimate the capacity of the bottles, boxes and cans in the photograph and answer questions about volume.

Here are six rules for safe food storage: Store food only in dry storage, refrigerators or freezers. Keep food off the floor and away from chemicals or garbage cans.

The hotel provides a variety of guestroom supplies and amenities for the guest's needs and convenience. As the head of the housekeeping department, the Executive Housekeeper is ...

Locker Room Design Considerations Research facilities consist of labs and support spaces which follow strict safety requirements, including ones dictating the activities that can be ...

Discover essential containers and quantities vocabulary with lists and visuals. Improve your communication skills in cooking, storage, and more.

The quantity of fruit that can be potentially stored within a locker is dictated by an amalgamation of multiple factors--ranging from physical dimensions and types of fruit involved to ...

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You can use any of these five measurement units to describe the capacity of an object, but it makes more sense to use certain units for certain purposes. For example, it makes more sense to describe ...

Here's a handy guide on how to store every type of fruit. 1. Apples: Apples don't need to be refrigerated, but doing so can certainly make them last longer. Either store them in a fruit bowl and ...

A classic problem we've seen hundreds of times involves students opening and closing lockers. I have often told people that, believe it or not, they could find the answer by searching the ...

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