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Solve for y

$$15 + 2(13 + y) - 10 = 89$$

29

21

33

None of the above

Red Seal Sample Examinations Questions

Dental Admissions Test

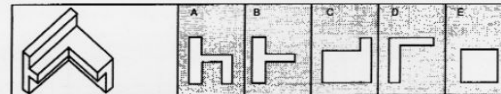
*note: this is from the ADA

In each item the task is exactly the same. First, you are to imagine how the object looks from all directions (rather than from a single direction as shown). Then, pick from the five apertures outlined, the opening through which the object could pass directly if the proper side were inserted first. Finally, mark on your answer sheet (after the number of the item) the letter corresponding to the answer you have chosen.

Here are the rules:

1. Prior to passing through the aperture, the irregular solid object may be turned in any direction. It may be started through the aperture on a side not shown.
2. Once the object is started through the aperture, it may not be twisted or turned. It must pass completely through the opening. The opening is always the exact shape of the appropriate external outline of the object.
3. Both objects and apertures are drawn to the same scale. Thus it is possible for an opening to be the correct shape but too small for the object. In all cases, however, differences are large enough to judge by eye.
4. There are no irregularities in any hidden portion of the object. However, if the figure has symmetric indentations, the hidden portion is symmetric with the part shown.
5. For each object there is only one correct aperture.

Example: (Do not mark the answer to this example on the answer sheet)



The correct answer is c since the object would pass through this aperture if the side at the left were introduced first.