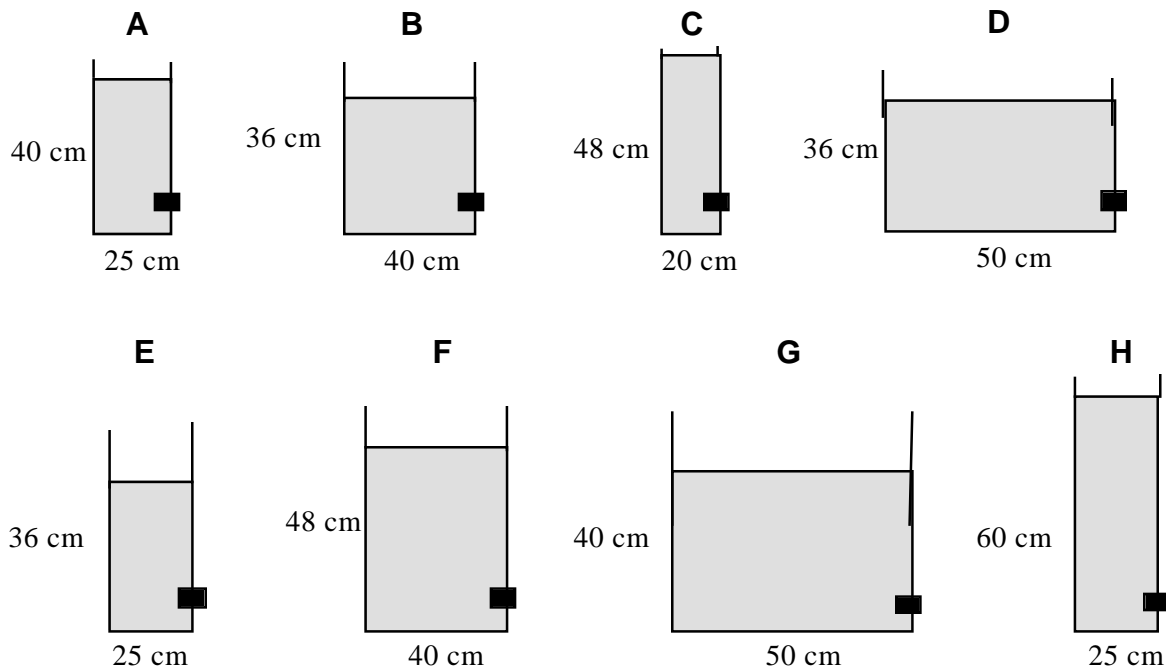


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The figures below show side views of eight hollow cylinders that have varying amounts of water in them. The widths of the cylinders and the heights to which they have been filled with water vary. The cylinders all have a hole cut in the side. All of the holes are the same size and they are all at the same height above the bases of the cylinders. There are corks in all of the holes.

Rank these situations, from greatest to smallest, on the basis of the pressure on the cork by the water.



Greatest 1_____ 2_____ 3_____ 4_____ 5_____ 6_____ 7_____ 8_____ Smallest

Or, the pressure is the same for all these cases. _____

Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)

Basically guessed				Sure				Very Sure	
1	2	3	4	5	6	7	8	9	10

¹⁰⁷ D. Maloney, C. Hieggelke