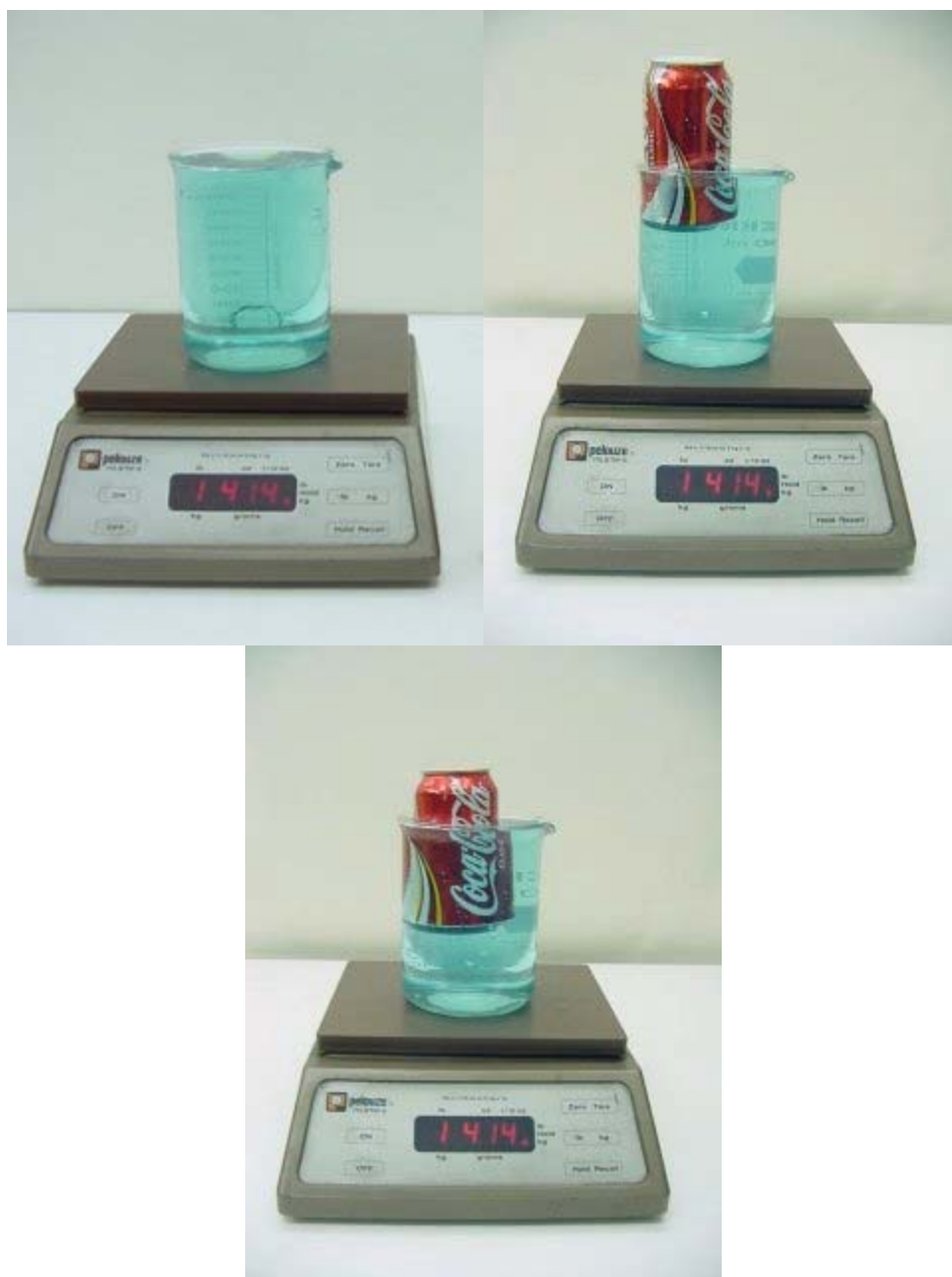


## Answer #306

The answer is:  $(d) > (a) = (b) = (c)$ , in decreasing order of mass, which can be seen by inspection of the photographs below.





Because a floating object displaces its weight in water, the two floating cans displace their own weight in water and their weight is the same as that of the beaker containing only water. On the other hand, the can resting on the bottom displaces only its volume in water. Because its weight is *greater than* an equal volume of water, the scale reading will be greater for this case.

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