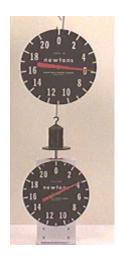
## Answer #202

The answer is (d) 4 newtons, as can be seen in the photograph below, where the mask has been removed from the spring scale face.



This is an example of equilibrium of forces; the total force upward on the lab mass, equal to its weight of 10 newtons, can be applied by either the lower or the upper scale or a combination thereof.

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For questions and comments regarding the *Question of the Week* contact <u>Dr. Richard E. Berg</u> by e-mail or using phone number or regular mail address given on the <u>Lecture-Demonstration Home Page</u>.