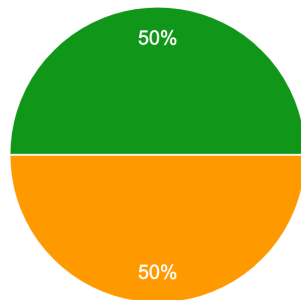


Which kind of physics learner are you?

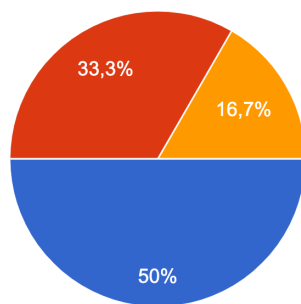
6 risposte



- To learn formulas and facts based on the authority of the instructor and text
- To make sense of the material, to integrate it with my opinion and intuitive knowledge
- A mix between the previous two, but preferring the first one, with methodical adherence to the procedures
- A mix between the first two, but preferring the second one, building ind...

What do you think about the way you learned Physics (in secondary school course)

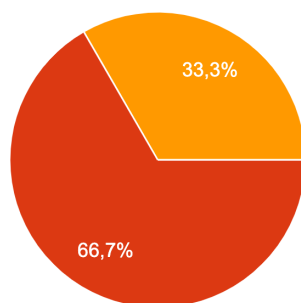
6 risposte



- I'd never had problems, understanding conceptual meaning and formulating it in mathematical point of view
- I had sometimes problems in conceptual meanings and never in mathematical explanations
- I had sometimes problems in mathematical explanations and never...
- I had always problems with conceptual meanings and mathematical explanati...

What do you think about the way you learned Physics (in university course)

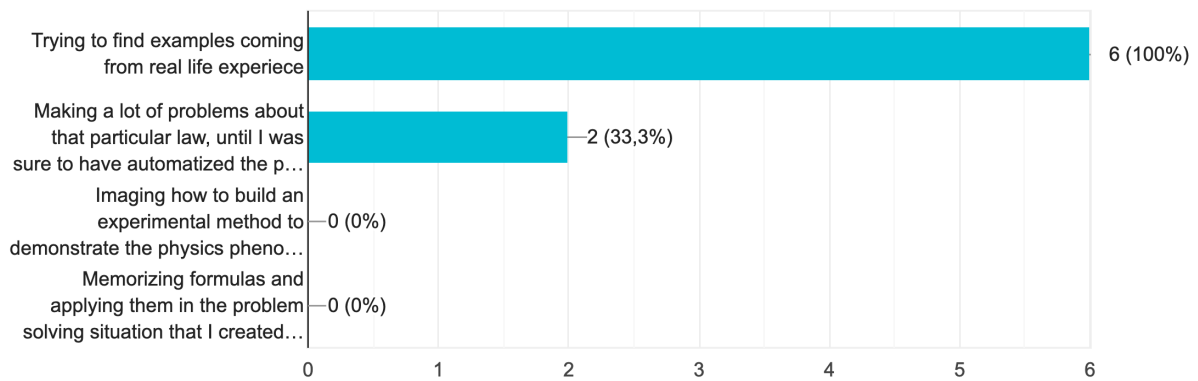
6 risposte



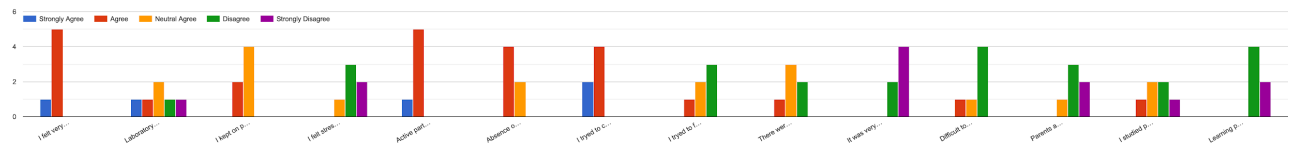
- I'd never had problems, understanding conceptual meaning and formulating it in mathematical point of view
- I had sometimes problems in conceptual meanings and never in mathematical explanations
- I had sometimes problems in mathematical explanations and never...
- I had always problems with conceptual meanings and mathematical explanati...

What did you do to improve your conceptual meaning of physics laws?

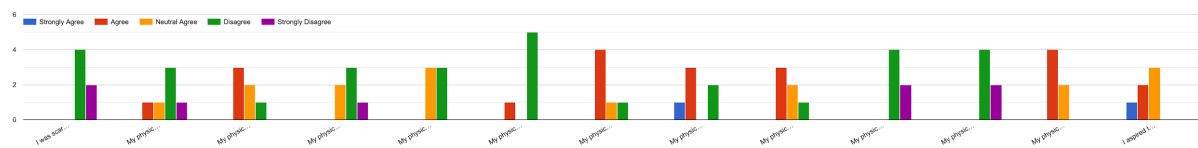
6 risposte



Physics learning experience (referring to your secondary school course)

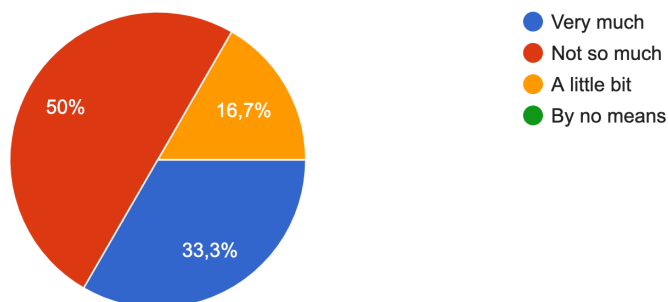


Physics teaching observation (referring to your secondary school course)



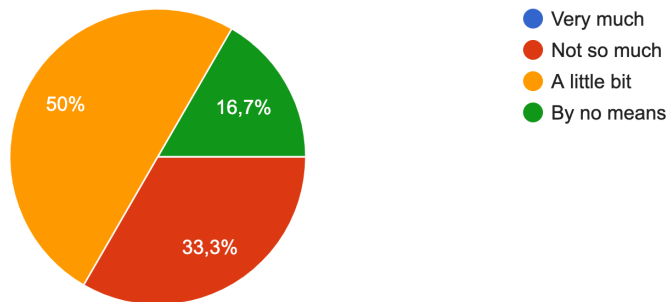
Did your Physics learning experience change during your university course?

6 risposte



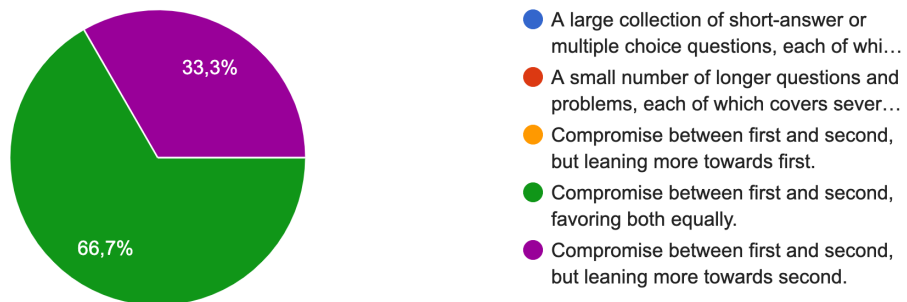
Did your Physics teaching observation change during your university course?

6 risposte



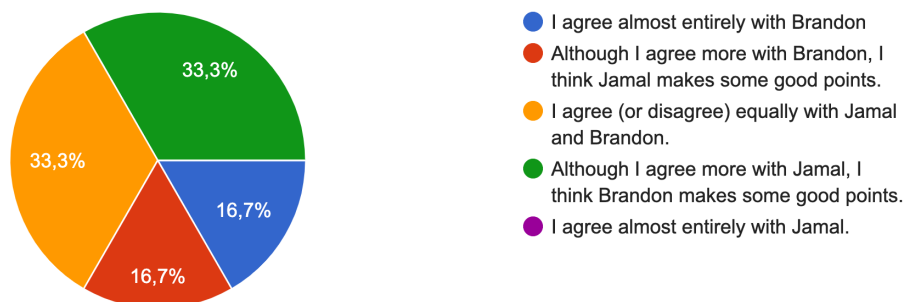
Of the following test formats, which is best for measuring how well students understand the material in physics?

6 risposte

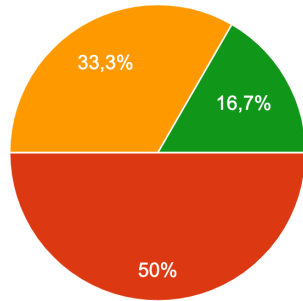


Brandon: "A good physics textbook should show how the material in one chapter relates to the material in other chapters. It shouldn't treat each ... blending it all together." With whom do you agree?

6 risposte

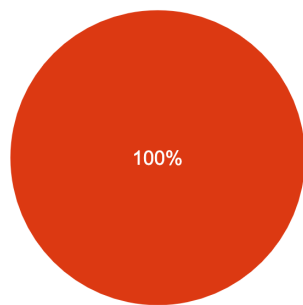


Justin: "When I'm learning physics concepts for a test, I like to put things in my own words, so that they make sense to me." Dave: "But putting things ...learn things the way the textbook presents them."
6 risposte



- I agree almost entirely with Justin.
- Although I agree more with Justin, I think Dave makes some good points.
- I agree (or disagree) equally with Justin and Dave.
- Although I agree more with Dave, I think Justin makes some good points.
- I agree almost entirely with Dave.

Imagine you are teaching physics at high school and you want to make your students familiar with the concept of block and tackle. Would you do so by:
6 risposte



- just explaining in a verbal fashion, for instance how the length of the pulling...
- just showing exemplary pictures of different situations with tackles, point...
- just solving a great number of problems concerning block and tackle
- just starting with a case study, describing it in mathematical language...
- just reading from the textbook and inte...
- None of these

Interaction between Epistemology, Sociology, Learning and Teaching in Physics

