

Collect all tests from the students. Do not review the tests or provide an answer key. Score them as you would any multiple-choice exam, simply the percentage correct. You should get about a 30% on the pretest. To find the gain over time, calculate

$$\text{Gain} = (\text{post}\% - \text{pre}\%) / (100\% - \text{pre}\%)$$

An index of 0.5, for instance, means that the class achieve 50% of the possible gain. The score will range from 0% (no gain) to 100% (all possible gain).