**RATIO**

We are taking part in an international study with colleagues in the Association for Teacher Education in Europe concerning prospective, pre-service and in-service teachers’ ideas of **ratio**. We aim to use your ideas to inform teacher educators here in Ireland, and also those from around the world who attend the annual conference of the Association next summer, about these ideas of ratio. *Participation is voluntary, and you do not have to put your name on this paper.* Many thanks for your cooperation.

2a. When do you yourself use ratios?

1. What does the term “ratio” mean to you?

5. Please ring your current College standing: First year undergraduate Second year undergraduate

Third year undergraduate Fourth year undergraduate

Postgraduate

By handing in this instrument, **you are agreeing to participate in the research as outlined above. Thank you again!**

3. How do you represent a ratio using mathematical symbols? If relevant, indicate clearly which is/are the **main** symbol(s) but list others as well. *You may write expressions that include the symbols, rather than just the symbols themselves.*

4. What representations – drawings, charts, graphs, words, and so forth – might you provide to illustrate how ratio is used? *Present your ideas here and/or overleaf as you wish.*

2b. Who else uses ratios, and when do they use them?