Abstract

Numeracy understanding level model is introduced to determine the level of a student in numeracy. There are four stages that have to be passed by all students to achieve understanding in numeracy, which is the one, de-coding, level two; acquisition of knowledge, level three; application and level four; analysis. Numeracy is a part of mathematics and is closely related to each other. In particular, numeracy is the ability to perform basic mathematical operations and understand simple mathematical ideas and apply knowledge and skills in mathematics in everyday life. Numeracy knowledge is very important to learn from an early stage because of numeracy encompasses identifying numbers, basic computation, measurement, geometry, probability and statistics. Numeracy understanding determines students' excellence at a higher level. This is because the basic understandings of numeracy in the classroom makes students are able to apply their knowledge of numeracy in everyday life.
- Department of education & Training Curriculum Directorate.
- Boston College:TIMSS & PURLS International Study Center.
- TIMSS. (2011). Assessment Frameworks. TIMSS.

**Index Terms**

Computer Science
Information Systems

**Keywords**

Numeracy  Level of understanding numeracy