TIMSS MATHEMATICS-FOURTH GRADE **Achievement at** TIMSS International Benchmarks TIMSS describes achievement at four International Benchmarks along the mathematics achievement scale: Advanced, High, Intermediate, and Low. **Percentage of Students Reaching Benchmarks** (averaged across countries) **Can apply** understanding Advanced and knowledge in a variety of relatively Benchmark complex situations (625)In Singapore, Hong Kong SAR, and explain their and Korea 41-50% reached the reasoning. **Advanced Benchmark, but 10% or** fewer did in 34 of the 49 countries. Can apply High knowledge **Benchmark** and understanding (550)to solve problems. Can apply basic **Intermediate** mathematical **Benchmark** knowledge (475)in simple situations. Have some basic Low **Benchmark** mathematical knowledge. (400)Many countries were able to educate nearly all of their fourth grade students to a basic level of mathematics achievement. **Trends at the TIMSS International Benchmarks** In general, there were more improvements across the International

Benchmarks in 2015 than there were declines. **Trends 2011-2015: 41 Countries Can apply** understanding **Advanced** and knowledge in a Countries Country Benchmark variety of relatively decreased in creased complex situations (625)and explain their reasoning. Can apply High Countries knowledge Countries Benchmark and understanding <u>in</u>creased decreased (550)to solve problems. Can apply basic **Intermediate** mathematical Countries Countries Benchmark knowledge <u>in</u>creased decreased (475)in simple situations. Have some basic Low Countries Countries mathematical **Benchmark** <mark>in</mark>creased decreased knowledge. (400)

