## MATHEMATICS-EIGHTH 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 and reason in a variety of problem Advanced In Singapore, Chinese Taipei, situations, solve Benchmark - and Korea 43-54% reached the linear equations, (625)**Advanced Benchmark, but 10%** and make or fewer did in 30 of the generalizations. 39 countries. **Can apply** understanding High and knowledge in a Benchmark variety of relatively (550)complex situations. Can apply basic **Intermediate** mathematical Benchmark · knowledge in a (475)variety of situations. Have some Low knowledge of Benchmark whole numbers (400)and basic graphs. On average, countries were able to educate 84% of their eighth grade students to a basic level of mathematics achievement. **Trends at the TIMSS International Benchmarks** In general, there were more improvements across the International



