

## Comparing & Scaling -- Unit Planning Overview

Investigations & Assessments	Days	Materials for Students	Materials for Teachers	Transparencies	ACE Questions	Copies for Students	Miscellaneous
1. Making Comparisons <i>Read TE p. 15 a-d</i>	2	Calculator	Overhead calculator Advertisements containing comparisons	1.1 and 1.3, p.124-127	1.1: #1-2, #1-11 1.3: #14 *(12-13) Advance level students	Notebook Checklist p.100	Survey students for 1.2 follow-up.
2 Comparing by Finding Percents <i>Read TE p. 25 a-d</i>	3	Calculator	Overhead Calculator	2.1 – 2.2, p. 128-129	2.1: #1-8 2.2: #18-22, 16-17 refer to area and scale factor		ACE #18 work with inequalities. Conduct survey for 2.2. Choose ACE according to ability of students. Practice both with and without a calculator.
Check -Up 1	1					p. 86-87	Assessment/Check- up/Reflections
3 Comparing by Using Ratios <i>Read TE p. 36 a-g</i>	4	Graphing calculator Large sheets of paper Orange & White chips Markers	Overhead calculator Can of orange juice and pitcher	3.1-3.2	3.1: #1-2, 9-12 3.2: #3, 5-6, 13-18, 20-23 3.3: #4, 8, 25		
4. Comparing by Finding Rates <i>Read TE p. 51 a-h</i>	4	Graphing calculator Grid Paper (4.3)	Overhead Calculator	4.1 – 4.2, p.133-136	4.1: #4-5 4.2: #2, 6, 10, 17-20 a-c 4.3: #3, 8-9 4.4: #7, 12-16, 22- 23		Need grid paper 4.2 ACE and 4.3 ACE 2 and 3 high interest, but needs class discussion first. Caution: read #2.2 carefully.
Check-Up 2	1					p. 88	Assessment/Reflections
Quiz	1					p. 89-90	Answers on p.102-103
5. Estimating Populations and Population densities <i>Read TE 64 a-k</i>	3	Graphing calculator Grid paper Transparency White beans Containers Scoops Markers	Overhead calculator New article estimating crowd size	5.1-5.5, p.137-142	5.1: 3, 10 5.2: #1, 13a-b 5.3: 5, 7, 8 5.4: 6, 12 5.5: 9, 11		
6. Choosing Strategies <i>Read TE p. 81 a-g</i>	2	Graphing calculator Large sheets of paper Markers	Overhead calculator	6.1-6.3, p.143-146	6.1: #1, 14 6.2: #2-3, 6-8 6.3: #9, 12	Labsheets 6.3A and 6.3B, p.118-119	ACE 12 requires and knowledge of stem-leaf plot and histogram.
Self Assessment	1					p.101	
Unit Test	1					p. 96-97	Answers on p. 105
Unit Project	2-3					p.82-83 Labsheets UP. A-UPC p.121-123	