SCMAPS Pg	Site	SCMAPS Activity	Grd	Strand	SCMathStndrd	Topic
1-50	1	1-1.4 Estimate % of state in each region	5	Measurement	II.D.1	Measure length / Estimate area using grid
1-50	1	1-1.4	5	Number & Operations	I.E.1	Calculate % one area is of another area
1-50	1	1-1.4 Estimate % of state in each region	7	Measurement	II.A.1, II.C.1	Measure length / Estimate are using a grid
1-51	1	1-1.7 Calculate slope from mts. to sea	5	Number & Operations	III.F.1	Interpret scale drawing; calculate slope
1-51	1	1-1.8 Estimate travel time to cross SC	5	Algebra	IV.A.1	Measure distance, determine time
1-51	1	1-1.7 Calculate slope from mts. to sea	7	Number & Operations	III.B.2	Interpret scale drawing; calculate slope
1-51	1	1-1.8 Estimate travel time to cross SC	7	Measurement	II.C.1, II.F.1	Measure distance, determine time
1-51	1	1-1.6 Compare county size to state	8	Measurement	II.F.1	Measure length / estimate perimeter
1-51	1	1-1.9 Determine distance between shorelines	8	Measurement	II.F.1	Measure length; Find mean/averages
1-51	1	1-1.9	8	Number & Operations	I.A.1	Estimate % one area is of another area
1-52	1	1-1.10 Determine coordinates for sites	7	Geometry	II.A.1	Locate & read ordered pairs
1-52	1	1-1.11 Calculate distance between site pairs	7	Measurement	II.C.1	Estimate & use lengths…
1-52	1		7	Geometry	II.A.1	Calculate distance from ordered pairs
1-53	1	1-1.2E Research/predict population changes	7	Data Analysis	III.A.1	Make predictions based on data
1-56	1	1-2.6 % area of state in each drainage basin	7	Measurement	II.A.1	Measure length; Estimate area using grid
1-56	1	1-2.6	7	Measurement	I.B.1	Convert measurement - US & metric system
1-56	1	1-2.6	7	Measurement	II.C.1	Calculate % one area is of another area
1-56	1	1-2.6	7	Data Analysis	I.B.1	Construct/display data on tables/charts
1-59	1	1-3.5 Determine daily rate of travel	8	Measurement	II.F.1	Use measurement & devices
1-59	1	1-3.5	8	Algebra	II.C.1	Determine rate r = d/t
1-60	1	1-3.10 Compare travel differences	8	Algebra	II.C.1	Determine rate r = d/t
1-61	1	1-3.12 Analyze census of Native Americans	8	Data Analysis	I.B.1	Read/interpret tables & charts
1-61	1	1-3.12	8	Number & Operations	III.B.1	Calculate mean/averages
1-61	1	1-3.12	8	Number & Operations	I.A.1	Calculate percent
1-62	1	1-3.13 Locate NativeAmerican territories	8	Measurement	II.F.1	Use measurement & devices-protractor
1-65	1	1-4.7 Compare railroad travel costs	8	Number & Operations	III.B.1	Count / compare numbers
1-65	1	1-4.7	8	Data Analysis	I.B.1	Read/Interpret data
1-65	1	1-4.7	8	Measurement	II.F.1	Compare unit prices
1-66	1	1-4.10 Trace flight path of Cessna	7	Number & Operations	III.B.1	Use a scale to determine distance
1-66	1	1-4.10	7	Measurement	II.F.1	Determine elapsed time between events
2A-10	2	2A-2.9 Calculate average field size	7	Measurement	II.A.1	Use formula (A = l x w) to calculate area
2A-10	2	2A-2.9	7	Measurement	I.B.1	Convert units - US system
2A-10	2	2A-2.9	7	Measurement	I.A.1	Estimate area using grid
2A-10	2	2A-2.10 Compare … road intersections	8	Measurement	II.F.1	Measure angles using a protractor
2A-10	2	2A-2.10	8	Data Analysis	I.B.1	Complete table to display data/make inferences
2A-5	2	2A-1.10 Calculate the slope of Table Rock	7	Number & Operations	I.D.1	Use a scale to determine distance
2A-5	2	2A-1.10	7	Measurement	II.C.1	Apply the formula: slope = rise/run

2A-5	2	2A-1.11 Mathematical models of Tbl Rck slope	7	Geometry	I.C.1	Make & compare models of geom. figures
2A-5	2	2A-1.12 Construct topographic profiles	8	Data Analysis	I.B.1	Use coordinates to locate position
2A-5	2	2A-1.12	8	Data Analysis	I.B.1	Make inferences based on data
2A-6	2	2A-1.13 Estimate max number of witches	8	Measurement	II.C.1	Estimate area
2A-6	2	2A-1.13	8	Measurement	I.B.1	Convert units - US system
2A-6	2	2A-1.14 Plan a hiking trip	8	Number & Operations	III.B.1	Solve problems involving proportion
2A-6	2	2A-1.14	8	Number & Operations	I.D.1	Use scale to determine distance
2A-6	2	2A-1.14	8	Measurement	II.F.1	Apply rate formula (r = d/t) to find time
2A-7	2	2A-1.2E Calculate height using shadow	8	Measurement	II.F.1	Use tangent to find missing side of rt triangle
2B-12	2	2B-1.9 Determine dimensions of a lake	7	Measurement	II.A.1	Estimate area by using grid
2B-12	2	2B-1.9	7	Number & Operations	I.D.1	Use ratio & proportion
2B-12	2	2B-1.9	7	Number & Operations	I.D.1	Compare two or more ratios
2B-12	2	2B-1.9	7	Measurement	II.C.1	Calculate % one area is of another area
2B-12	2	2B-1.9	7	Data Analysis	III.A.1	Make inferences based on data
2B-12	2	2B-1.10 Sketch a topographic profile	8	Data Analysis	I.B.1	Construct profile graph from data/coordinates
2B-13	2	2B.1.12 Compare North/South facing slopes	7	Measurement	II.C.1	Use scale drawings
2B-14	2	2B-1.15 Analyze stream drainage patterns	8	Measurement	II.F.1	Measure/draw lengths and angles
2B-16	2	2B-2.3 Calculate volume of water in reservoir	8	Measurement	II.F.1	Calculate volume
2B-16	2	2B-2.3	8	Measurement	II.F.1	Determine volume relationships
2B-16	2	2B-2.3	8	Measurement	II.F.1	Solve energy problem using formula
2B-17	2	2B-2.5 Evaluate power generation	8	Number & Operations	III.B.1	Use unit price to compute cost
2B-17	2	2B-2.6 Plan a new housing development	8	Data Analysis	I.B.1	Use grid data to locate position
2B-18	2	2B-2.11 Determine visibility of power lines	8	Data Analysis	I.B.1	Construct profile graphs from data
2B-18	2	2B-2.11	8	Data Analysis	I.B.1	Use coordinates to locate position
2B-19	2	2B-2.14 Calculate change in lake level	7	Measurement	II.A.1	Calculate area & volume
2B-19	2	2B-2.14	7	Measurement	II.C.1	Calculate % increase in volume
3-25	3	3-1.3 Locate gold mines	7	Measurement	II.C.1	Measure length - US & metric
3-25	3	3-1.3	7	Measurement	II.C.1	Use scale to calculate distance
3-25	3	3-1.3	7	Geometry	II.A.1	Write ordered pairs to identify points
3-25	3	3-1.3	7	Measurement	II.C.1	Find slope using formula slope = rise/run
3-26	3	3-1.4 Keep a travel log for gold mine trip	7	Data Analysis	I.B.1	Construct/interpret a chart
3-26	3	3-1.4	7	Measurement	II.F.1	Calculate mileage & reimbursement
3-26	3	3-1.4	7	Measurement	II.F.1	Determine time
3-27	3	3-1.7 Outline Catawba claims & reservation	8	Number & Operations	I.A.1	Estimate % one area is of another area
3-29	3	3-1.15 Compare costs of shipping propane	8	Number & Operations	III.B.1	Solve consumer problems
3-29	3	3-1.15	8	Measurement	II.F.1	Draw circle of given radius
3A-5	3	3A-1.7 Estimate the value of timber	7	Measurement	II.A.1	Estimate area using grid
3A-5	3	3A-1.7	7	Measurement	II.A.1	Use scale to calculate area

3A-5	3	3A-1.7	7	Measurement	I.C.1	Convert units - US system
3A-5	3	3A-1.7	7	Measurement	II.C.1	Calculate radius of circle
3A-5	3	3A-1.7	7	Measurement	II.C.1	Calculate volume of a cylinder
3A-5	3	3A-1.7	7	Number & Operations	III.D.1	Use proportions to solve cost problem
3A-6	3	3A-1.2E Determine volume of logging waste	7	Measurement	II.C.1	Use measurement in everyday situations
3A-6	3	3A-1.2E	7	Measurement	II.D.1	Calculate volume: usable & unusable
3B-6	3	3B-2.3 Estimate number of chickens	7	Measurement	II.A.1	Use scale to calculate area
3B-6	3	3B-2.3	7	Measurement	II.C.1	Use estimation to solve real world problems
3B-7	3	3B-2.7 Calculate statistics based on field area	6	Measurement	II.A.1	Estimate area using grid
3B-7	3	3B-2.7	6	Data Analysis	II.A.1	Find mean, median, mode, range of data
3B-7	3	3B-2.8 Estimate area of contoured field	7	Measurement	II.C.3	Calculate area of a circle
3B-7	3	3B-2.8	7	Measurement	II.C.1	Estimate % one area is of another area
3B-8	3	3B-2.2E Research egg production	7	Number & Operations	III.B.2	Calculate percentage
3C-10	3	3C-1.5 Compare grade of … right of ways	8	Data Analysis	I.B.1	Use elevation gradient to rank
3C-17	3	3C-3.6 Predict size of smallest object	7	Number & Operations	I.D.1	Use ratio/proportion to predict size
4-20	4	4-1.3 Locate the center of the state	8	Measurement	II.F.1	Find center of a circle
4-20	4	4-1.3	8	Measurement	II.F.1	Locate the center of mass
4-24	4	4-1.2E Ask about transportation budget	8	Number & Operations	III.B.1	Calculate unit price to compare costs
4A-10	4	4A-1.3 Compare Piedmont & Coastal Plain	8	Data Analysis	I.B.1	Collect/analyze data on a chart
4A-10	4	4A-1.3	8	Measurement	II.F.1	Calculate slope = rise/run
4A-10	4	4A-1.3	8	Number & Operations	III.B.1	Calculate differences in elevation & slope
4A-10	4	4A-1.3	8	Number & Operations	III.B.1	Calculate mean/averages
4A-12	4	4A-1.4 Compare profiles Coastal Pl/Piedmont	8	Data Analysis	I.B.1	Use ordered pairs to construct profile
4A-12	4	4A-1.4	8	Data Analysis	I.B.1	Construct graph using appropriate scales
4A-16	4	4A-2.6 Locate Columbia landmarks	7	Geometry	II.A.1	Use coordinates to describe location
4A-17	4	4A-2.7 Estimate time of day by shadows	8	Measurement	II.F.1	Use measurement to solve time problem
4A-18	4	4A-2.10 Compare modern day Cola. to 1780	8	Measurement	II.F.1	Use scale to calculate distance
4A-18	4	4A-2.10	8	Measurement	II.F.1	Calculate area of rectangles
4A-18	4	4A-2.10	8	Measurement	II.F.1	Estimate square units in a region
4A-18	4	4A-2.11 Locate mill villages in Columbia	8	Measurement	II.F.1	Use scale to calculate distance
4A-18	4	4A-2.11	8	Measurement	II.F.1	Calculate perimeter and area
4A-19	4	4A-2.3E Estimate time of day using trig.	8	Measurement	II.E.1	Measure length using tangent of an angle
4A-19	4	4A-2.3E	8	Measurement	II.E.1	Measure length of a shadow
4B-9	4	4B-2.10 Investigate features of a golf course	7	Measurement	II.C.1	Use scale to calculate distance - par values
5-24	5	5-1.9 Make timetable for railroad	8	Measurement	II.F.1	Measure length - US system
5-24	5	5-1.9	8	Number & Operations	III.A.1	Use scale to calculate distance
5-24	5	5-1.9	8	Data Analysis	I.B.1	Construct/interpret data on a chart
5-24	5	5-1.9	8	Measurement	II.F.1	Use rate formula to find average speed

5-24	5	5-1.9	8	Measurement	II.F.1	Determine elapsed time between events
5-24	5	5-1.9	8	Measurement	II.F.1	Use rate to evaluate shipping charges
5A-13	5	5A-1.7 Determine the number of fire towers	7	Measurement	II.C.1	Use compass to draw circles with given radius
5A-13	5	5A-1.7	7	Data Analysis	III.A.1	Use data to make inferences
5A-13	5	5A-1.8 Analyze shape of Savannah River Site	7	Measurement	II.A.1	Estimate area of a circle
5A-13	5	5A-1.8	7	Measurement	II.C.3	Find area of a circle
5A-13	5	5A-1.8	7	Measurement	II.C.1	Calculate % one area is of another area
5A-14	5	5A-1.9 Compare land use at SRS	7	Measurement	II.A.1	Estimate area of a region using grid
5A-14	5	5A-1.9	7	Measurement	II.C.1	Calculate % one area is of another area
5A-16	5	5A-2.5 Compare old & New Ellenton	8	Data Analysis	I.B.1	Record/interpret data on a chart
5A-16	5	5A-2.5	8	Number & Operations	I.A.1	Compute percent
5A-16	5	5A-2.5	8	Measurement	II.F.1	Use rate to compute total population
5A-17	5	5A-2.8 Interpret & use SRS grid system	7	Geometry	II.A.1	Use coordinates to locate positions
5A-17	5	5A-2.8	7	Data Analysis	I.B.1	Record/interpret data on a chart
5A-17	5	5A-2.10 Calculate avg cost/acre of SRS land	7	Measurement	II.F.1	Calculate unit rate in dollars/acre
5A-18	5	5A-2.3E Compare earnings1951 with today	7	Measurement	II.F.1	Calculate unit rate in dollars/family
5A-19	5	5A-3.4 Analyze pollution potential in grndwater	7	Measurement	II.F.1	Use meters/day to calculate time
5A-20	5	5A-3.7 Calculate amount of new exposed land	7	Measurement	II.A.1	Estimate area by using grid
5B-7	5	5B-1.6 Calculate travel distance - Santee River	7	Measurement	II.C.1	Measure distance - US system
5B-7	5	5B-1.6	7	Measurement	II.F.1	Calculate rate in miles/hour
6-14	6	6-1.1 Locate river flood plain	7	Measurement	II.C.1	Estimate % one area is of another area
6-14	6	6-1.3 Determine % of state draining into swamp	7	Measurement	II.A.1	Estimate are using a grid
6-14	6	6-1.3	7	Measurement	II.C.1	Use scale to calculate distance
6-14	6	6-1.3	7	Measurement	II.C.1	Estimate % one area is of another area
6A-14	6	6A-1.6 Make topographic profile: bluff / swamp	7	Geometry	II.A.1	Locate points on coordinates
6A-14	6	6A-1.6	7	Data Analysis	I.B.1	Construct a graph / connect points
6A-14	6	6A-1.6	7	Data Analysis	III.A.1	Read/interpret graph to make inferences
6A-15	6	6A-1.7 Analyze/interpret swamp flood data	7	Algebra	I.B.1	Read/analyze a chart
6A-15	6	6A-1.7	7	Algebra	II.B.1	Locate points on coordinates
6A-15	6	6A-1.7	7	Algebra	II.B.1	Construct a line graph with appropriate scales
6A-15	6	6A-1.7	7	Data Analysis	III.A.1	Read/analyze information from a graph
6A-16	6	6A-1.3E Graph water level or river / lake	7	Data Analysis	III.A.1	Record/interpret information from a chart
6A-18	6	6A-2.3 Plot location of chamption trees	7	Geometry	II.A.1	Use coordinates to locate position
6A-18	6	6A-2.3	7	Number & Operations	II.C.1	Use scale to measure distance
6A-18	6	6A-2.3	7	Measurement	II.C.1	Use protractor to measure angles
6A-18	6	6A-2.3	7	Data Analysis	III.A.1	Read/interpret information on a chart
6A-19	6	6A-2.4 Graph champion vs normal tree height	7	Algebra	I.B.1	Construct a graph with appropriate scales
6A-19	6	6A-2.4	7	Algebra	I.B.1	Construct bar graph from data

6A-19	6	6A-2.4	7	Data Analysis	III.A.1	Record/interpret data on a chart
6A-19	6	6A-2.4	7	Measurement	II.C.1	Calculate and compare percentages
6A-20	6	6A-2.5 Calculate age/size of trees	7	Measurement	II.C.1	Determine diameter
6A-20	6	6A-2.5	7	Measurement	II.C.1	Calculate circumference of circle
6A-20	6	6A-2.5	7	Number & Operations	III.B.2	Use proportions to solve problems
6A-22	6	6A-2.5E Find biggest tree…calculate formula	7	Measurement	II.C.3	Use formula to calculate circle diameter
7-11	7	7-1.1 Outline counties with limestone resource	8	Measurement	II.C.1	Estimate area using grid
7-11	7	7-1.1	8	Number & Operations	I.A.1	Estimate % of one area in another area
7-11	7	7-1.2 Locate approx. Eocene shoreline	8	Number & Operations	I.A.1	Estimate % of one area in another area
7-13	7	7-1.7 Trace the path of a pollutant	7	Measurement	II.C.1	Calculate distances using scale
7-13	7	7-1.7	7	Measurement	II.F.1	Use rate (r = d/t) to find time in feet/min.
7A-10	7	7A-2.10 Calculate weekly % change…population	7	Number & Operations	III.B.2	Find % increase / decrease
7A-10	7	7A-2.11 Analyze seasonal population changes	7	Data Analysis	I.B.1	Construct/interpret a line graph
7A-10	7	7A-2.11	7	Data Analysis	III.A.1	Record/interpret information on a chart
7A-12	7	7A-2.12 Determine probability of sighting birds	8	Data Analys-/Probability	IV.B.1	Find experimental probability
7A-12	7	7A-2.12	8	Data Analys-/Probability	IV.B.1	Construct frequency table
7A-12	7	7A-2.12	8	Number & Operations	III.B.1	Calculate average & percentage
7A-12	7	7A-2.12	8	Data Analys-/Probability	IV.B.1	Use probability to make predictions
7A-13	7	7A-2.13 Analyze populations changes	7	Data Analysis	II.B.1	Construct graph with appropriate scales
7A-13	7	7A-2.13	7	Data Analysis	II.B.1	Locate/connect points to make line graph
7A-13	7	7A-2.13	7	Data Analysis	II.B.1	Interpret graph and find % increase
7A-15	7	7A-2.3E Estimate attendance at events	8	Number & Operations	III.D.1, 2	Use ratio/proportions to solve problems
7A-15	7	7A-2.3E	8	Number & Operations	III.D.1, 2	Determine reasonableness of estimations
7A-5	7	7A-1.6 Calculate stream density in Karst areas	7	Measurement	II.A.1	Estimate area using grid
7A-5	7	7A-1.6	7	Number & Operations	III.B.2	Calculate average stream density
7A-8	7	7A-2.4 Estimate size of peach orchards	7	Data Analysis	III.A.1	Use estimation to interpret information
7A-8	7	7A-2.5 Determine avg width/volume of lake	7	Number & Operations	II.A.1	Calculate average width
7A-8	7	7A-2.5	7	Measurement	II.A.1	Calculate area of a rectangle
7A-8	7	7A-2.5	7	Measurement	II.A.1	Estimate area using grid
7A-8	7	7A-2.5	7	Measurement	II.A.1	Calculate volume
7A-8	7	7A-2.5	7	Number & Operations	I.D.1	Use ratio/proportions to solve problems
7A-8	7	7A-2.6 Compare topography east/west banks	8	Measurement	II.F.1	Calculate slope = rise/run and compare
7A-9	7	7A-2.8 Determine size of Santee Wildlife Refuge	7	Measurement	II.A.1	Estimate area
7A-9	7	7A-2.8	7	Measurement	II.C.1	Find % of one area to another area
7A-9	7	7A-2.9 Calculate avg weight of fish	7	Number & Operations	III.B.2	Calculate averages
7A-9	7	7A-2.9	7	Measurement	II.F.1	Calculate/compare unit rates
8-13	8	8-1.1 Make an index chart of Carolina Bays	7	Measurement	II.A.1	Calculate area of an ellipse
8-13	8	8-1.1	7	Measurement	II.A.1	Estimate area using grid

8-13	8	8-1.1	7	Measurement	II.C.1	Find elevation on a map
8-13	8	8-1.1	7	Number & Operations	III.B.2	Calculate percent
8-13	8	8-1.1	7	Data Analysis	I.B.1	Collect/record data on a chart
8-13	8	8-1.1	7	Data Analysis	III.A.1	Use chart information to make inferences
8-14	8	8-1.2 Compare characteristics of Marching Bays	7	Number & Operations	III.B.2	Calculate percents
8A-3	8	8A-1.4 Relate temperatures to habitat info.	7	Measurement	II.C.1	Use formulas to solve problems
8A-4	8	8A-1.6 Estimate surface area of Woods Bay	7	Measurement	II.A.1	Estimate area using grid
8A-4	8	8A-1.6	7	Number & Operations	III.D.1	Use ratio/proportion to solve problems
8A-5	8	8A-1.8 Make a line plot graph of W.Bay biota	5	Data Analysis	II.C.1	Construct line plots to display data
8A-5	8	8A-1.8	5	Data Analysis	II.A.1	Interpret line plots/identify gaps, clusters, ...
8A-5	8	8A-1.8 Make a line plot graph of W.Bay biota	7	Data Analysis	I.B.1	Construct line plots to display data
8A-5	8	8A-1.8	7	Data Analysis	III.A.1	Interpret line plots/identify gaps, clusters, ...
8A-6	8	8A-1.2E Use equation..describe shape of W.B.	8	Measurement	II.F.1	Use scale to calculate distance
8A-6	8	8A-1.2E	8	Measurement	II.F.1	Use formulas to solve problems
8A-6	8	8A-1.2E	8	Measurement	II.F.1	Approximate shape of an ellipse
9-19	9	9-1.4 Analyze the three shoreline types	5	Number & Operations	I.E.1	Find % one area is of another area
9A-10	9	9A-1.14 Estimate roof damage to Charleston	6	Number & Operations	I.D.1	Use ratio/proportion to solve problems
9A-10	9	9A-1.14	6	Number & Operations	I.D.1	Use % proportion to solve problems
9A-8	9	9A-1.7 Determine navigational bearing in harbor	8	Measurement	II.F.1	Use compass to determine direction
9A-8	9	9A-1.7	8	Measurement	II.F.1	Use bathymetric measures/determine depth
9A-8	9	9A-1.8 Determine distance cannonball traveled	8	Measurement	II.F.1	Use scale to estimate distance - US & Metric
9A-8	9	9A-1.9 Evaluate cost of earthquake damage	8	Number & Operations	III.D.1	Use ratio/proportion to solve problems
9A-8	9	9A-1.9	8	Number & Operations	III.D.1	Apply % proportion to solve problems
9A-9	9	9A-1.11 Locate features with geometric shapes	6	Geometry	IV.E.1	Identify geometric shapes
9A-9	9	9A-1.12 Measure size of rivers & waterway	7	Measurement	II.C.1	Calculate dimentions of irregular shapes
9A-9	9	9A-1.12	7	Measurement	II.C.1	Use scale to estimate length
9B-6	9	9B-1.7 Relate landforms to land use	7	Measurement	II.A.1	Estimate area using grid
9B-6	9	9B-1.7	7	Measurement	I.B.1	Convert measures - US system
9B-6	9	9B-1.7	7	Measurement	II.A.1	Calculate area in square feet
9B-7	9	9B-1.12 Compare Fla & SC- tourism/spending	8	Number & Operations	I.A.1	Apply % proportion to solve problems
9B-8	9	9B-1.13 Estimate capacity for tourists/parking	8	Number & Operations	III.D.2	Use ratio/proportion to solve problems
9B-8	9	9B-1.16 Analyze impact of Myrtle Beach RRd	8	Number & Operations	III.D.2	Use ratio/proportion to solve problems
9C-9	9	9C-1.7 Identify how long…cotton could grow	7	Measurement	II.A.1	Estimate area using grid
9C-9	9	9C-1.7	7	Number & Operations	I.D.1	Apply % proportion to solve problems
10A-11	10	10A-1.8 Estimate size of average rice field	8	Measurement	II.F.1	Use a ruler to measure length in inches
10A-11	10	10A-1.8	8	Measurement	II.C.1	Calculate area in square inches
10A-11	10	10A-1.8	8	Measurement	I.B.1	Convert measurements - US system
10A-11	10	10A-1.10 Graph & analyze rice production	8	Number & Operations	I.A.1	Calculate percents