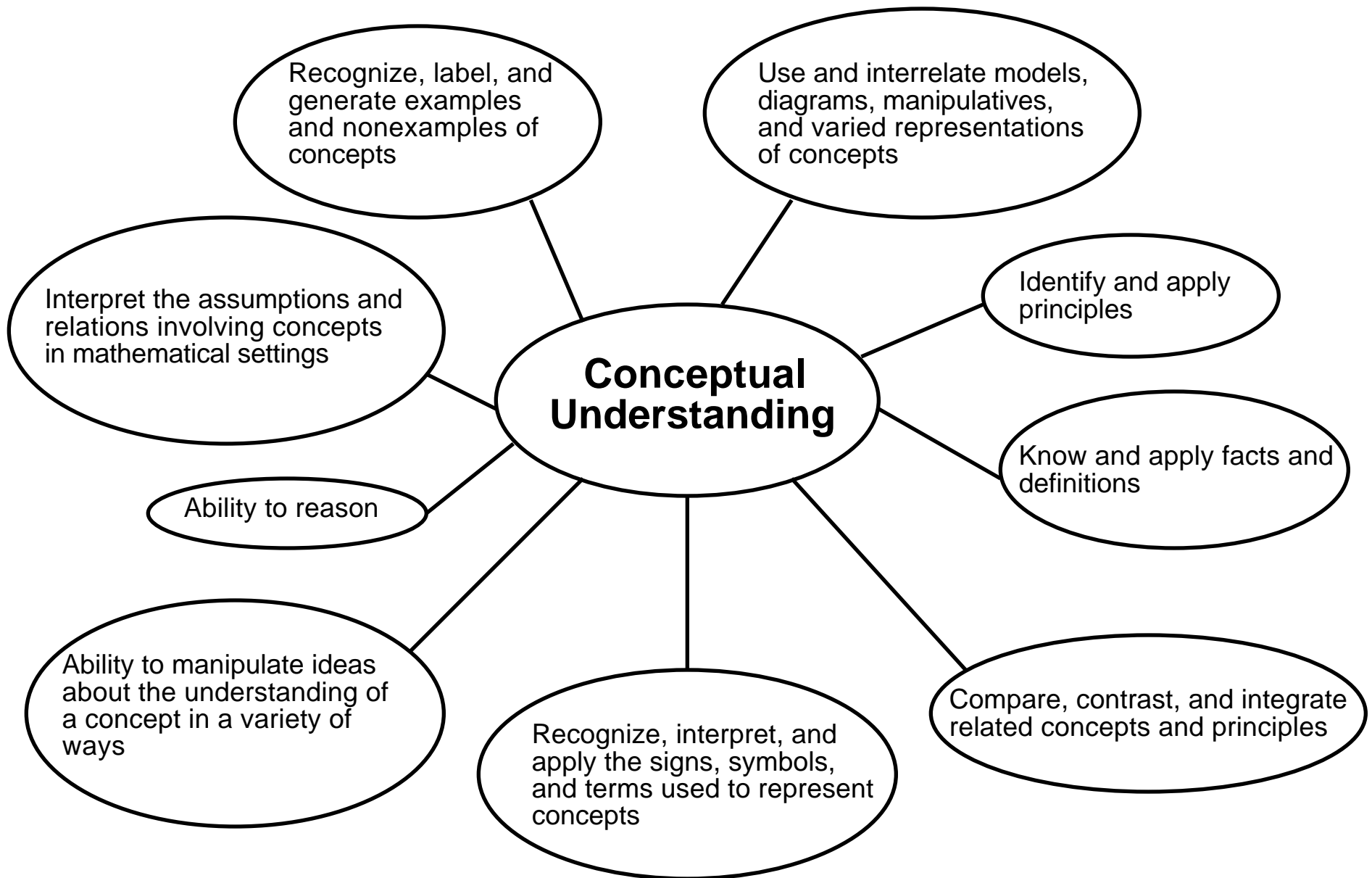
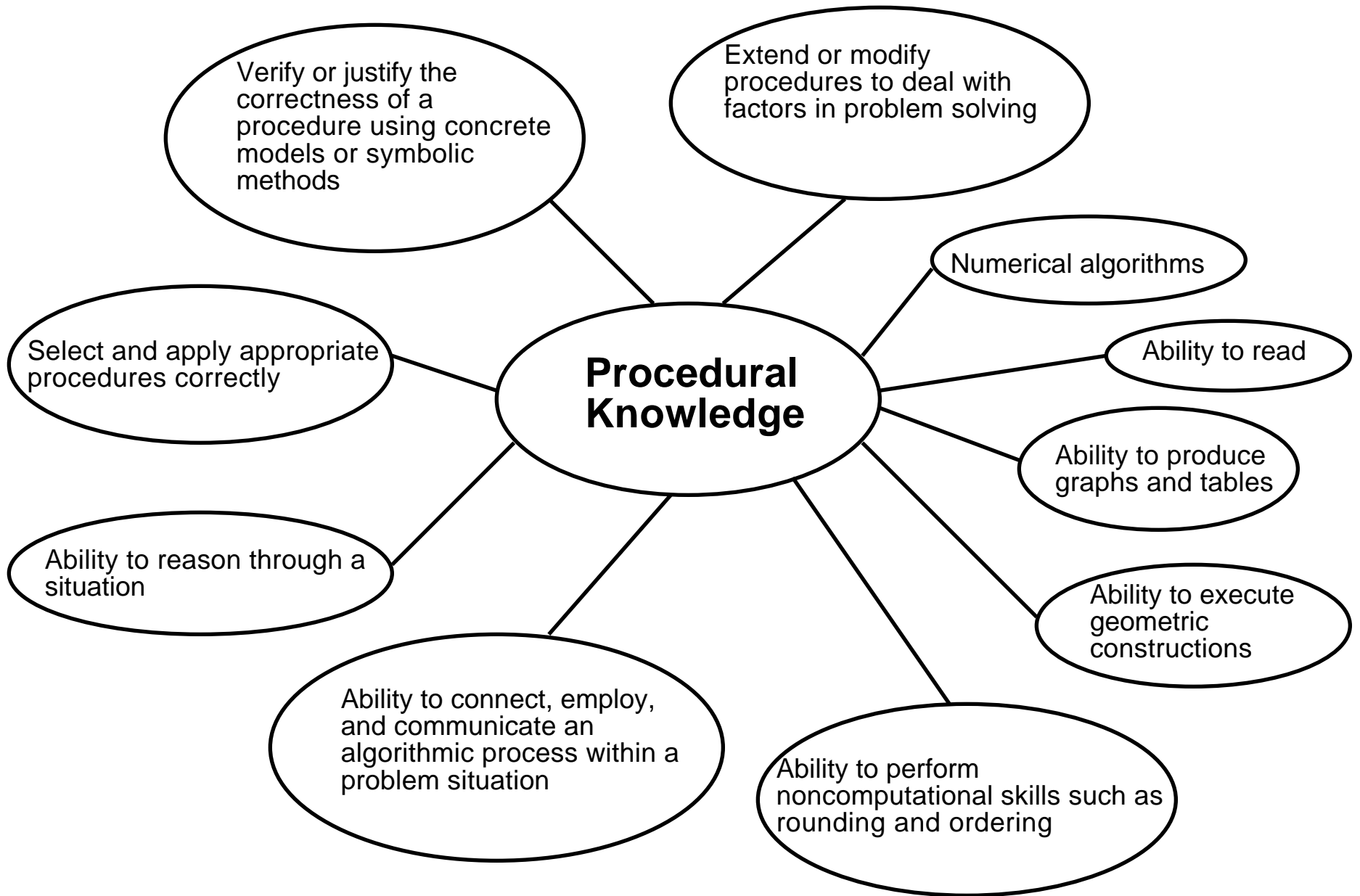


MATHEMATICAL ABILITIES

Mathematical Abilities



Mathematical Abilities



BLOOM'S TAXONOMY of the COGNITIVE DOMAIN

Mathematics

LEVEL I = 50% EL 40% MS 35% HS

LEVEL II = 50% EL 60% MS 65% HS

Knowledge Ability to recall previously learned facts, concepts, or principles.	Comprehension Ability to translate previously learned information, or to grasp meaning, intent, or relationships.	Application Ability to apply previously acquired knowledge or information to a new situation.	Analysis Ability to break material down into its components so that organizational structure may be understood.	Synthesis Ability to analyze the parts and put them together for form a whole.	Evaluation Ability to make judgments based on evidence and determine the value of material based on definite criteria.
know record relate cite define list collect enumerate memorize recall label tell repeat name specify recount ask count indicate inquire know locate recite observe choose match	restate recognize locate translate summarize explain report interpret discuss express retell describe identify review show paraphrase tell discover infer measure calculate outline convert discuss paraphrase change	exhibit apply dramatize calculate solve employ practice interview use illustrate experiment stimulate demonstrate operate schedule dramatize summarize order generalize draw reconstruct compute manipulate relate propose translate	interpret contrast investigate inspect combine inventory analyze scrutinize deduce classify examine question differentiate categorize inquire arrange survey diagram compare probe detect group dissect distinguish divide simplify	compose invent arrange set up incorporate plan develop assemble prepare originate propose design construct imagine predict produce formulate create hypothesize contrive organize assume collect derive combine compile	rate conclude defend score determine decide compare select estimate predict appraise value criticize infer judge choose evaluate revise assess deduce recommend interpret validate justify prioritize rank

FCAT uses only two classifications of cognitive skills. Level I includes the knowledge, comprehension, and application (in familiar situations) categories, and Level II includes the application (in unique situations), analysis, synthesis, and evaluation categories.