

How Cognitive Skills Relate to **Florida** Comprehensive Assessment Questions



Reading:

Cognitive Skill	Application to FCAT Questions	BrainWare Safari Exercises Developing the Skill
<p><i>Sustained Attention</i> – the ability to stay on task for a sustained period of time.</p>	<p>Reading a passage for comprehension requires sustained attention. If attention is not sustained, parts of the passage may not be processed or understood.</p>	<p>Most BrainWare Safari exercises work on sustained attention, including <i>Iguana Lookout, Jungle Labyrinth, Rhythm Ribbet, and Slithering Symbols.</i></p>
<p><i>Visual Sequential Memory</i> – the ability to recall a sequence of bits of information in the same order as originally received.</p>	<p>After reading a short story passage, “What did the boys do FIRST on the Suwannee River?”</p>	<p><i>Arrow Point Bridge, Bear Shuffle, Rhythm Ribbet and Slithering Symbols</i> are exercises that work on visual sequential memory.</p>
<p><i>Conceptual Thinking</i> – the ability to recognize a collection of features that go together to create an idea or category of ideas.</p>	<p>“Think about the characters Johnny, the crow, and Mike, the dog. How are they DIFFERENT?”</p>	<p><i>Ancient Logic and Reasoning</i> and <i>Llama Logic</i> help develop conceptual thinking skills.</p>

There are many cognitive skills involved in learning as well as being tested on what one has learned. This document provides examples of how the FCAT places demands on cognitive skills. This is not meant to provide a complete perspective on cognitive skills nor a thorough analysis of the FCAT. These are simply examples for illustration. BrainWare Safari is a product of Learning Enhancement Corporation. It is a comprehensive program that develops 41 cognitive skills in a fun and entertaining video game format. For more information, contact Learning Enhancement Corporation at www.BrainWareforYou.com or 877-BRAIN-10 (877-272-4610). Examples used taken from Materials Published by the School Board of Broward County, Florida and Released FCAT test questions, Grades 4 and 5.

How Cognitive Skills Relate to **Florida** Comprehensive Assessment Questions



Mathematics:

Cognitive Skill	Application to FCAT Questions	BrainWare Safari Exercises Developing the Skill
<p>Visualization – the ability to recall an image of what has been seen and to mentally manipulate and change aspects of that image in the mind.</p>	<p>“Imagine folding this shape along the dotted lines. Which solid figure would you make?”</p>	<p>Most BrainWare Safari exercises develop visualization skills. Such exercises include Cave Comparisons, Piranha Pass, Web Weaving, and Whispering Waterfall.</p>
<p>Oculomotor – the ability to use the eyes efficiently to read and gather information from the environment.</p>	<p>“Which shape does NOT have a right angle?”</p>	<p>Iguana Lookout, Jungle Labyrinth, Piranha Pass, Sky Scanning and Turtle Recall address oculomotor skills.</p>
<p>Working Memory – the ability to hold information in the mind while performing a mental operation on it.</p>	<p>“Micheal biked and ran a total of 15 hours. He biked twice as long as he ran. How long did he run?”</p>	<p>Bear Shuffle, Cave Comparisons, Memory Mountain and Tree Tic-Tac-Toe are among the exercises that improve working memory skills.</p>

There are many cognitive skills involved in learning as well as being tested on what one has learned. This document provides examples of how the FCAT places demands on cognitive skills. This is not meant to provide a complete perspective on cognitive skills nor a thorough analysis of the FCAT. These are simply examples for illustration. BrainWare Safari is a product of Learning Enhancement Corporation. It is a comprehensive program that develops 41 cognitive skills in a fun and entertaining video game format. For more information, contact Learning Enhancement Corporation at www.BrainWareforYou.com or 877-BRAIN-10 (877-272-4610). Examples used taken from Materials Published by the School Board of Broward County, Florida and Released FCAT test questions, Grades 4 and 5.

How Cognitive Skills Relate to **Florida** Comprehensive Assessment Questions



Science:

Cognitive Skill	Application to FCAT Questions	BrainWare Safari Exercises Developing the Skill
<p>Visual Discrimination – the ability to distinguish differences.</p>	<p>After being given two pictures, one of a cat and one of an owl, “How are cats and owls alike?”</p>	<p>BrainWare Safari exercises that develop visual discrimination include Cave Comparisons, Jumping Jaguar Flash, Sky Scanning and Volcanic Patterns.</p>
<p>Reasoning – the ability to form concepts and solve problems using unfamiliar information.</p>	<p>“Data from a survey was presented in a circle graph and a bar graph. Which bar graph shows the same data as the circle graph?”</p>	<p>Ancient Logic and Reasoning and Piranha Pass are two of the exercises that develop reasoning skills.</p>
<p>Logic – the ability to reason and think rationally and analytically.</p>	<p>After being shown the layering of the Grand Canyon, a question which asks, “Which statement describes how the Grand Canyon was formed?”</p>	<p>Llama Logic and Tree Tic-Tac-Toe are two of the exercises that develop logic skills.</p>

There are many cognitive skills involved in learning as well as being tested on what one has learned. This document provides examples of how the FCAT places demands on cognitive skills. This is not meant to provide a complete perspective on cognitive skills nor a thorough analysis of the FCAT. These are simply examples for illustration. BrainWare Safari is a product of Learning Enhancement Corporation. It is a comprehensive program that develops 41 cognitive skills in a fun and entertaining video game format. For more information, contact Learning Enhancement Corporation at www.BrainWareforYou.com or 877-BRAIN-10 (877-272-4610). Examples used taken from Materials Published by the School Board of Broward County, Florida and Released FCAT test questions, Grades 4 and 5.