

Module Outline Applied Mathematics

The chart below outlines the content of the Locating Information module. This module is intended to prepare an individual for the ACT WorkKeys® Assessment, one of three assessments needed to earn an [ACT's National Career Readiness Certificate](#).

Topic	Title	Essential Questions
<i>Module Resources – The purpose of this resource area is to review skills that students might need to be successful in other parts of the module or to explore other workplace ready resources.</i>		
Topic 1	Number Sense and Basic Operations	<ol style="list-style-type: none"> 1. How can you use number sense to recognize and complete a pattern? 2. How can you perform operations on numbers?
Topic 2	Single-Step Problem Solving	<ol style="list-style-type: none"> 1. How can you use addition, subtraction, multiplication, or division to solve problems? 2. How can you convert numbers from one form to another?
Topic 3	Reasoning and Applications	<ol style="list-style-type: none"> 1. How can you use two operations to solve problems? 2. How can you solve problems involving rates and proportions?
Topic 4	Multi-Step Problem Solving	<ol style="list-style-type: none"> 1. How can you use formulas to calculate the perimeters and areas of basic figures, including rectangles and circles? 2. How can you solve problems that require three or more operations?
Topic 5	Comparing and Calculating	<ol style="list-style-type: none"> 1. How can you rearrange formulas to solve problems? 2. How can you use two formulas to convert between systems of measurement?
Topic 6	Basic Geometry	<ol style="list-style-type: none"> 1. How can you classify angles and triangles? 2. How can you perform geometric transformation?

