



## ADP Algebra I End-of-Course Exam Operational Blueprint

Content Standards		Emphasis	Number of Multiple Choice Items	Number of Short Answer Items	Number of Extended Response Items
			1 point each	2 points each	4 points each
<b>Operations on Numbers and Expressions</b>		<b>25% of Exam</b>	6-14	1-3	0-2
	O1. Number Sense				
	O2. Algebraic Expressions				
<b>Linear Relationships</b>		<b>35% of Exam</b>	10-20	1-4	0-2
	L1. Linear Functions				
	L2. Linear Equations				
<b>Non-linear Relationships</b>		<b>20% of Exam</b>	4-14	0-3	0-2
	N1. Non-linear Functions				
	N2. Non-linear Equations				
<b>Data, Statistics, and Probability</b>		<b>20% of Exam</b>	4-14	0-3	0-2
	D1. Data and Statistics				
	D2. Probability				
<b>Totals per Exam*</b>		<b>58 points</b>	<b>40 Multiple Choice Items</b>	<b>5 Short Answer Items</b>	<b>2 Extended Response Items</b>

**Additional Notes Regarding the Test:**

As described by Webb's Taxonomy:

Cognitive Level 1 items include the recall of information such as a fact, definition, term, or a simple procedure, as well as performing a simple algorithm or applying a formula and will make up 20 - 30% of points on the exam.

Cognitive Level 2 items require students to make some decisions as to how to approach the problem or activity and will make up 40 - 60% of points on the exam.

Cognitive Level 3 items require reasoning, planning, using evidence, and a higher level of thinking (e.g. justifying or analyzing) and will make up 20 - 30% of points on the exam.

Short Answer (2 point) items will make up 10 points on every operational form.

Extended Response (4 point) items will make up 8 points on every operational form.

\*Total per exam item counts above do not include embedded field test items that will consist of 4 multiple choice items and 1 or 2 constructed-response items. These items will not count towards a student's score.

Half of the items will appear in the session where a calculator is permitted and half will appear in the session where a calculator is not permitted.