

Appendix Q AP (A) Correlation

Not all of the following items are tested in the AP A test, but all have at least “potential relevance” as described in the AP Java subset on the College Board web site.

Items on the A test	Page numbers
int, double	2-1
+, -, *, /, ++, --, %	4-2
=, !=, >, <, >=, <=	8-1, 9-1
&&, , !	8-1
Casting (int), (double)	5-1
String concatenation	3-1
Escape sequences \", \\\, \n	3-1, C-1
System.out.print() and System.out.println()	1-1, 1-2
One-dimensional arrays	18-1—18-7
Two-dimensional arrays	35-1
if, if/else	9-1
while, do/while	12-1
for	11-1
Design new and modify existing classes	15-1—16-7
return types	15-1
public classes, private instance variables, public and private methods	15-1—16-7
final local variables	5-1
final class, final methods	36-2, 3
static methods	19-3, 20-1
null	Nugs-17
this	36-3, 36-11__36-15, 46-6
super	36-1, 3,7, 36-12—36-15
Constructors	15-1
static variables	20-1
static methods	20-1
Inheritance hierarchies	36-1—36-15
Modifying and creating subclasses	36-1—36-15
Modifying, creating, and implementing interfaces	38-1—38-8
abstract classes and abstract interfaces	38-1
equals method for objects	9-1, 16-2
= = and != for objects	16-2
Comparison of objects with Comparable.compareTo	45-1
Conversion to supertypes and subtype casts	36-4, 45-3—45-4
Package concepts, creating, importing	7-1, 19-3, I-1, M-1
Exceptions concepts; checked and unchecked	37-1—37-11
String	2-1, 3-1
Math class (abs, pow, sqrt, random)	6-1
Object	36-4
ArrayList	43-1
Wrapper Classes; Double, Integer	21-1
Sorting methods (not including Quick Sort)	19-3, 41-1—41-17

List interface (size, add, get, set, remove)	42-1
Binary Search	51-1
Enhanced for-loop	19-5, Nug-16, 44-3
Recursion	40-1

The computer science “**case study**”, **Grid World**, is also covered on the A test. This is thoroughly presented and explained in Blue Pelican’s Grid World product in the form of documents, lessons, questions/answers, and videos... available at www.bluepelicanjava.com.