

Ohio Graduation Tests

Item Distribution Across Standards

MATH

Points assigned to each standard and

STANDARD/Benchmarks		Practice Test/04	March 2005
NUMBER SENSE & OPERATIONS		8	10
Scientific Notation to Express Numbers	A	1	1
Identify Subsets of Real Number Systems	B	1	0
Properties of Operations	C	0	1
Integers, Rational/Irrational Numbers	D	0	1
Equivalent Forms of Real Numbers	E	3 S	1
Effects of Operations	F	2 S	1
Ratio, Proportions, Percent	G	1	2 S
Square Root of Perfect and Non-Perfect Squares	H	0	2
Scientific Notation, Square Roots, etc.	I	0	1
MEASUREMENT		8	10
Solve Measurement Problems	A	0	1
Use Formulas for Area & Volume of 3D Objects	B	1	2
Perimeter, Circumference, Area, Volume	C	3 S	2
Proportional Reasoning...	D	2	2 S
Measure to Specified Level of Precision	E	2	3 S
Money, Elapsed Time, Temperature Problems	F	0	0
PATTERNS/FUNCTIONS/ALGEBRA		11	12
Patterns, Sequences	A	2	1
Linear, Non-Linear Functions	B	0	1
Translate Info. From Representations	C	2	1
Algebraic Representations to Solve Problems	D	1	1
Functions & Graphs	E	1	1
Solve, Graph Linear Equations, Inequalities	F	2	1
Quadratic Equations with Real Roots	G	0	0
Linear Equations with 2 Variables	H	3 S	3 S
Direct & Inverse Variation	I	0	1
Rates of Change from Graphical/Numerical Data	J	0	2 S

"S" indicates a 2 point short answer is included in this point total.

"E" indicates a 4 point extended response is included in this point total.

*Several items measure multiple benchmarks.

Ohio Graduation Tests

Item Distribution Across Standards

MATH

Points assigned to each standard and

STANDARD/Benchmarks		Practice Test/04	March 2005
GEOMETRY/SPACIAL SENSE		8	8
Define Geometric Figures	A	1	1
Similar and Congruent Figures	B	1	1
Angle Relationships/Lines	C	0	1
Coordinate Geometry/Properties of Geometric Figures	D	1	2
Draw Representations of 2D/3D Objects	E	0	0
Transformations in a Coordinate Plane	F	4 E	2 S
Problems with 3D Objects	G	0	0
Geometric Proofs	H	1	0
Rt. Triangle Trigometric Relationships	I	0	1
DATA ANALYSIS/PROBABILITY		11	17
Graphical Display of Data	A	2	1
Evaluate Data	B	1	3 S
Measures of Central Tendency	C	1	4 E
Find, Use and Interpret Measures of Center & Spread	D	1	1
Data Collections and Analysis	E	0	0
Construct Arguments Based on Data Analysis	F	0	0
Sampling Methods	G	3 S	1
Permutations and Combinations	H	1	5 E
Theoretical Probability	I	0	0
Compute Probabilities of Events	J	2	2 S
Make Predictions Based on Probabilities	K	0	0
TOTAL		46	46*

"S" indicates a 2 point short answer is included in this point total.

"E" indicates a 4 point extended response is included in this point total.

*Several items measure multiple benchmarks.