

Ohio Graduation Tests Item Distribution Across Standards

MATH

Points assigned to each standard and benchmark

STANDARD/Benchmarks		Practice Test/04	March 2005	March 2006	March 2007
NUMBER SENSE & OPERATIONS		8	10	8 *	8 *
Scientific Notation to Express Numbers	A	1	1	1	3 S*
Identify Subsets of Real Number Systems	B	1	0	1	0
Properties of Operations	C	0	1	0	0
Integers, Rational/Irrational Numbers	D	0	1	1	1 *
Equivalent Forms of Real Numbers	E	3 S	1	0	1
Effects of Operations	F	2 S	1	0	1
Ratio, Proportions, Percent	G	1	2 S	3 S	2
Square Root of Perfect and Non-Perfect Squares	H	0	2	2	0 *
Scientific Notation, Square Roots, etc.	I	0	1	1	0 *
MEASUREMENT		8	10	8	7
Solve Measurement Problems	A	0	1	2 S	0
Use Formulas for Area & Volume of 3D Objects	B	1	2	2	1
Perimeter, Circumference, Area, Volume	C	3 S	2	1	1
Proportional Reasoning...	D	2	2 S	2	2
Measure to Specified Level of Precision	E	2	3 S	1	0
Money, Elapsed Time, Temperature Problems	F	0	0	0	3 S
PATTERNS/FUNCTIONS/ALGEBRA		11	12	11 *	12
Patterns, Sequences	A	2	1	1	6 E
Linear, Non-Linear Functions	B	0	1	3 S	0
Translate Info. From Representations	C	2	1	2 S	1
Algebraic Representations to Solve Problems	D	1	1	3 S	0
Functions & Graphs	E	1	1	2	1
Solve, Graph Linear Equations, Inequalities	F	2	1	1	1
Quadratic Equations with Real Roots	G	0	0	1	0
Linear Equations with 2 Variables	H	3 S	3 S	2 S	2 S
Direct & Inverse Variation	I	0	1	0	0
Rates of Change from Graphical/Numerical Data	J	0	2 S	1	1
GEOMETRY/SPATIAL SENSE		8	8	8 *	8
Define Geometric Figures	A	1	1	0	1 *
Similar and Congruent Figures	B	1	1	1	1
Angle Relationships/Lines	C	0	1	1	1
Coordinate Geometry/Properties of Geometric Figures	D	1	2	5 E	0 *
Draw Representations of 2D/3D Objects	E	0	0	1	3 S
Transformations in a Coordinate Plane	F	4 E	2 S	0	2
Problems with 3D Objects	G	0	0	4 E	0
Geometric Proofs	H	1	0	0	0
Rt. Triangle Trigonometry Relationships	I	0	1	0	0
DATA ANALYSIS/PROBABILITY		11	17	11	11
Graphical Display of Data	A	2	1	1	3
Evaluate Data	B	1	3 S	1	0
Measures of Central Tendency	C	1	4 E	1	1
Find, Use and Interpret Measures of Center & Spread	D	1	1	3 S	1
Data Collections and Analysis	E	0	0	0	0 *
Construct Arguments Based on Data Analysis	F	0	0	1	0
Sampling Methods	G	3 S	1	0	2
Permutations and Combinations	H	1	5 E	2	1 *
Theoretical Probability	I	0	0	0	0
Compute Probabilities of Events	J	2	2 S	2	2
Make Predictions Based on Probabilities	K	0	0	0	1
TOTAL		46	46*	46	46

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

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