

Sixth Grade State Achievement Tests

Item Distribution Across Standards

MATH

Points assigned to each standard and benchmark

STANDARD/Benchmarks		Practice Test		March 2006	May 2007
NUMBER SENSE & OPERATIONS		8		13	13
Represent /Compare Numbers	A	0		0	0
Compare/Order Fractions, Decimals, Percents	B	0		0	0
Percents	C	0		1	0
Ratio, Proportion, Percent	D	1	M	1	2
Order of Operations	E	0		2	0
Number System Properties	F	0		0	0
Prime Factorizations, Common Factors/Multiples	G	2	MM	3 S	1
Standard/Nonstandard Algorithms	H	1	MM	2	2 S
Problem Solving Strategies	I	4 S	HMM	4 S	8 E
MEASUREMENT		4		8	8
Metric/US Units of Measure	A	0		0	0
Convert Units of Measurement	B	0		0	0
Tools for Measuring	C	2	MM	2	2
Select and Measure Tools	D	0		0	0
Problem Solving with Units of Measurement	E	0		1	2 S
Changes in Area, Perimeter, Volume	F	0		4 E	3
2D-3D Area, Perimeter, Volume	G	2 S	H	1	1
PATTERNS/FUNCTIONS/ALGEBRA		7		11	10
Describe Rules for Patterns/Relationships	A	4 E	M	0	2 S
Analyze Patterns/Functions with Tables, etc.	B	0		0	0
Use Variables to Create and Solve Equations	C	0		0	1
Symbolic Algebra	D	1	M	2	0
Rules & Variables to Describe Patterns/Functions	E	1	M	4 SS	0
Representations to Solve Linear Relationships	F	0		0	0
Algebraic Expressions	G	0		1	1
Solve Linear Equations & Inequalities	H	1	M	2	1
Inverse Operations	I	0		0	0
Use Formulas in Problem Solving	J	0		0	1
Graph Linear Equations/Inequalities	K	0		0	3 S
Analyze Functions/ Relationships	L	0		0	1
Rates of Change	M	0		2	0

"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.

"L", "M", "H" denotes complexity level.

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STANDARD/Benchmarks		Practice Test		March 2006	May 2007
GEOMETRY/SPATIAL SENSE		4		9	10
Identify, Label Angle Parts, etc.	A	1	M	0	2
Radius, Diameter, Center, Circumference	B	0		0	0
Plot Ordered Pairs/Coordinate Plane	C	0		0	0
Identify Line Pairs, Angles, 2D/3D Figures	D	0		3	2
Proportions of Similar Figures	E	0		0	1
Congruence, Symmetry	F	0		5 E	1
Properties of Triangles	G	1	L	0	0
Transformations of 2D Figures	H	1	M	0	2 S
Identify and Draw 3D Objects	I	1	M	1	1
Equality and Proportionality to Solve Problems	J	0		0	1
DATA ANALYSIS/PROBABILITY		4		9	9
Recreate Tables, Graphs	A	2 S	M	2	1
Interpret Data	B	0		1	0
Evaluate Conclusions about Data	C	0		0	0
Compare Data	D	0		3 S	0
Collect, Organize, Interpret Data	E	0		0	5 E
Range, Mean, Median, Mode	F	1	M	1	1
Evaluate Conjectures & Predictions in Graphics	G	0		1	1
Find Outcomes of Experiments/Problems	H	0		0	0
Probability, Ratios, Fractional Notation	I	0		0	0
Compare Experimental Results	J	0		0	0
Predictions Based on Probabilities	K	1	M	1	1
TOTAL		27		50	50

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