Guide to Mathematics Review in Preparation for TAKS (Elementary School)

The Pubs tabs by grade level below contains a listing of the Region 4 publications routinely used for TAKS math review, as well as those publications used to prepare this document. Also included are the table of contents for these publications.

The Matrix tabs below contains a listing of 3rd, 4th, and 5th grade mathematics TEKS to be covered on the grade level tests with the associated TAKS objectives by grade level. Then listed are the locations in each of the included publications where reference to that TEKS SE or TAKS Objective may be found.

Since this document is done in EXCEL for electronic usage, any of contents may be sorted at the discretion of the user.

Publications for Math Tutoring and Intervention

TAKS Mathematics Preparation Grade 3 - Region 4 (2004)

Sources Used for Math TEKS and TAKS

TAKS Information Booklet Mathematics Grade 3 - TEA (Jan 2008)

TAKS Mathematics Preparation Grade 3 (Jun 2004)

Objective 1 Numbers, Operations, and Quantitative Reasoning
Summary
Money, Place Value Lesson
Addition and Subtraction Lesson
Fractions Lesson
Multiplication Lesson
Objective 1 Selected Response Questions
Objective 2 Patterns, Relationships, and Algebraic Reasoning
Summary
Patterns Lesson
Patterns in Tables Lesson
Objective 2 Selected Response Questions
Objective 3 Geometry and Spatial Reasoning
Summary
Shapes and Solids Lesson
Congruence and Symmetry Lesson
Numbers on a Line Lesson
Objective 3 Selected Response Questions
Objective 4 Measurement
Summary
Length Lesson
Perimeter/Area Lesson
Time Lesson
Temperature Lesson
Objective 4 Selected Response Questions
Objective 5 Probability and Statistics
Summary
Statistics Lesson
Objective 5 Selected Response Questions
Objective 6 Underlying Processes and Mathematical Tools
Summary
Critical Thinking through Problem Solving
Performance Task 1
Performance Task 2
Objective 6 Selected Response Questions
Appendix
Mathematics Performance Assessment Rubric
Student Rubric, Grades 3-5

Elementary TEKS & TAKS		Region 4 Tutoring or Intervention Publications
TEKS SE	**TAKS Objective Grade 3**	**TAKS Mathematics Preparation Grade 3 Objective - Lesson**
3.1(A)	**1**	1 - Money/Place Value
3.1(B)	**1**	1 - Money/Place Value
3.1(C)	**1**	1 - Money/Place Value
3.2(A)		
3.2(B)	**1**	1 - Fractions
3.2(C)	**1**	1 - Fractions
3.2(D)		
3.3(A)	**1**	1 - Addition and Subtraction
3.3(B)	**1**	1 - Addition and Subtraction
3.4(A)		
3.4(B)	**1**	1 - Multiplication
3.4(C)	**1**	
3.5(A)	**1**	1 - Addition and Subtraction, Multiplication
3.5(B)	**1**	
3.6(A)	**2**	2 - Patterns
3.6(B)	**2**	
3.6(C)	**2**	
3.7(A)	**2**	2 - Patterns in Tables
3.7(B)	**2**	2 - Patterns in Tables
3.8(A)	**3**	3 - Shapes and Solids
3.9(A)	**3**	3 - Congruence and Symmetry
3.9(B)		
3.9(C)	**3**	3 - Congruence and Symmetry
3.10(A)	**3**	3 - Numbers on a Line
3.11(A)	**4**	4 - Length
3.11(B)	**4**	4 - Perimeter/Area
3.11(C)	**4**	4 - Perimeter/Area
3.11(D)		
3.11(E)		
3.11(F)		
3.12(A)	**4**	4 - Temperature
3.12(B)	**4**	4 - Time
3.13(A)	**5**	
3.13(B)	**5**	
3.13(C)	**5**	5 - Statistics
3.14(A)	**6**	6 - Performance Task 1 and 2 (also includes Obj 1)
3.14(B)	**6**	6 - Performance Task 1 and 2 (also includes Obj 1)
3.14(C)	**6**	6 - Performance Task 1 and 2 (also includes Obj 1)
3.14(D)		
3.15(A)		
3.15(B)	**6**	6 - Performance Task 1 and 2 (also includes Obj 1)
3.16(A)	**6**	6 - Performance Task 1 and 2 (also includes Obj 1)
3.16(B)		

Publications for Math Tutoring and Intervention

TAKS Mathematics Preparation Grade 4 - Region 4 (Jun 2004)

Sources Used for Math TEKS and TAKS

TAKS Information Booklet Mathematics Grade 4 - TEA (Jan 2008)

TAKS Mathematics Preparation Grade 4 (Jun 2004)

Objective 1 Numbers, Operations, and Quantitative Reasoning
Summary
Place Value Lesson
Fractions Lesson
Fractions Greater Than One Lesson
Fractions/Decimals Lesson
Addition and Subtraction of Whole Numbers and Decimals Lesson
Representing Multiplication/Division Lesson
Multiplication Lesson
Objective 1 Selected Response Questions
Objective 2 Patterns, Relationships, and Algebraic Reasoning
Summary
Patterns in Multiplication/Division Lesson
Patterns in Tables Lesson
Objective 2 Selected Response Questions
Objective 3 Geometry and Spatial Reasoning
Summary
Geometric Properties Lesson
Transformations Lesson
Numbers on a Line Lesson
Objective 3 Selected Response Questions
Objective 4 Measurement
Summary
Weight Lesson
Capacity Lesson
Length/Perimeter/Area Lesson
Time Lesson
Temperature Lesson
Objective 4 Selected Response Questions
Objective 5 Probabilitty and Statistics
Summary
Probability Lesson
Graphs Lesson
Objective 5 Selected Response Questions
Objective 6 Underlying Processes and Mathematical Tools
Summary
Critical Thinking through Problem Solving
Performance Task 1
Performance Task 2
Objective 6 Selected Response Questions
Appendix
Mathematics Performance Assessment Rubric
Student Rubric, Grades 3-5

Elementary TEKS & TAKS		Region 4 Tutoring or Intervention Publications
TEKS SE	**TAKS Objective Grade 4**	**TAKS Mathematics Preparation Grade 4 Objective - Lesson**
4.1(A)	**1**	1 - Place Value
4.1(B)	**1**	1 - Place Value
4.2(A)	**1**	1- Fractions
4.2(B)	**1**	1- Fractions Greater Than One
4.2(C)	**1**	1- Fractions
4.2(D)	**1**	1- Fractions/Decimals
4.3(A)	**1**	1 - Addition/Subtraction of Whole Numbers and Decimals
4.3(B)	**1**	1 - Addition/Subtraction of Whole Numbers and Decimals
4.4(A)	**1**	1- Representing Multiplication and Division
4.4(B)	**1**	1- Representing Multiplication and Division
4.4(C)	**1**	
4.4(D)	**1**	1 - Multiplication
4.4(E)	**1**	
4.5(A)	**1**	1 - Multiplication
4.5(B)	**1**	1 - Multiplication
4.6(A)	**2**	2 - Patterns in Multiplication and Division
4.6(B)	**2**	2 - Patterns in Multiplication and Division
4.7(A)	**2**	2 - Patterns in Tables
4.8(A)	**3**	3 - Geometric Properties
4.8(B)	**3**	3 - Geometric Properties
4.8(C)	**3**	3 - Geometric Properties
4.9(A)		
4.9(B)	**3**	3 - Transformations
4.9(C)	**3**	3 - Transformations
4.10(A)	**3**	3 - Numbers on a Line
4.11(A)	**4**	4 - Weight, Capacity, Length/Perimeter/Area
4.11(B)	**4**	4 -Perimeter and Area
4.11(C)	**4**	4 -Perimeter and Area
4.11(D)		
4.11(E)		
4.12(A)	**4**	4 - Temperature
4.12(B)		4 - Graphs
4.13(A)	**5**	5 - Probability
4.13(B)	**5**	
4.14(A)	**6**	6 - Performance Tasks 1 (also covers Obj 1) & 2 (also covers Obj 1)
4.14(B)	**6**	6 - Performance Tasks 1 (also covers Obj 1) & 2 (also covers Obj 1)
4.14(C)	**6**	6 - Performance Tasks 1 (also covers Obj 1) & 2 (also covers Obj 1)
4.14(D)		
4.15(A)		
4.15(B)	**6**	6 - Performance Tasks 1 (also covers Obj 1) & 2 (also covers Obj 1)
4.16(A)	**6**	6 - Performance Tasks 1 (also covers Obj 1) & 2 (also covers Obj 1)
4.16(B)		

Publications for Math Tutoring and Intervention

TAKS Mathematics Preparation Grade 5 - Region 4 (2004)
Accelerated Curriculum for Mathematics Grade 5 TAKS - Region 4 (Jun 2005)

Sources Used for Math TEKS and TAKS

TAKS Information Booklet Mathematics Grade 5 - TEA (Jan 2008)

Accelerated Curriculum for Mathematics Grade 5 TAKS

Unit 1
- Lesson 1.1 Place Value
- Lesson 1.2 Introduction to Decimals
- Lesson 1.3 Reading and Writing Decimals
- Assessment

Unit 2
- Lesson 2.1 Comparing Decimals Less Than 1
- Lesson 2.2 Comparing Decimal Greater Than 1
- Lesson 2.3 Adding and Subtracting Decimals
- Assessment

Unit 3
- Lesson 3.1 Rounding
- Lesson 3.2 Estimating to Solve Problems
- Lesson 3.3 Multiplication of Whole Numbers
- Assessment

Unit 4
- Lesson 4.1 Division of Whole Numbers
- Lesson 4.2 Identifying Prime Factors and Composite Numbers
- Lesson 4.3 Identifying Prime Factors of a Number
- Lesson 4.4 Identifying Common Factors
- Assessment

Unit 5
- Lesson 5.1 Equivalent Fractions
- Lesson 5.2 Comparing Fractions
- Lesson 5.3 Adding and subtracting Fractions
- Assessment

Unit 6
- Lesson 6.1 Using Data
- Lesson 6.2 Interpreting Data
- Lesson 6.3 Displaying Data
- Assessment

Unit 7
- Lesson 7.1 Using Coordinate Grids
- Lesson 7.2 Customary Length
- Lesson 7.3 Customary Weight
- Assessment

Unit 8
- Lesson 8.1 Perimeter
- Lesson 8.2 Area of Squares and Rectangles
- Lesson 8.3 Area of a Triangle
- Assessment

Unit 9
- Lesson 9.1 Volume
- Lesson 9.2 Customary Capacity
- Lesson 9.3 Metric Length
- Assessment

Unit 10
- Lesson 10.1 Metric Capacity
- Lesson 10.2 Metric Weight

Lesson 10.3 Metric Conversion
Assessment
Unit 11
Lesson 11.1 Time
Lesson 11.2 Temperature
Lesson 11.3 Measuring and Drawing Angles
Assessment
Unit 12
Lesson 12.1 Parallel and Perpendicular Lines
Lesson 12.2 Types of Quadrilaterals
Lesson 12.3 Attributes of Shapes on a Plane
Lesson 12.4 Three-Dimensional Attributes
Lesson 12.5 Transformations
Assessment
Unit 13
Lesson 13.1 Combinations
Lesson 13.2 Finding Patterns
Assessment
Unit 14
Lesson 14.1 Describing Relationships
Lesson 14.2 Predicting Experimental Results
Assessment
Practice TAKS Test 2

TAKS Mathematics Preparation Grade 5 (Aug 2004)

Objective 1 Numbers, Operations, and Quantitative Reasoning
Summary
Place Value, Whole Numbers, and Decimals Lesson
Fractions Lesson
Fractions/Decimals Lesson
Addition and Subtraction of Whole Numbers and Decimals Lesson
Factors/Multiplication Lesson
Division Lesson
Addition and Subtraction of Fractions Lesson
Objective 1 Selected Response Questions
Objective 2 Patterns, Relationships, and Algebraic Reasoning
Summary
Generalizations from Patterns Lesson
Prime/Composite Lesson
Objective 2 Selected Response Questions
Objective 3 Geometry and Spatial Reasoning
Summary
Critical Attributes Lesson
Transformations Lesson
Coordinate Grids Lesson
Objective 3 Selected Response Questions
Objective 4 Measurement
Summary
Volume Lesson
Length/Perimeter/Area Lesson
Weight Lesson
Capacity Lesson
Time Lesson
Temperature Lesson
Objective 4 Selected Response Questions
Objective 5 Probabilitty and Statistics

Summary
Probability Lesson
Graphs Lesson
Objective 5 Selected Response Questions
Objective 6 Mathematical Processes and Tools
Summary
Critical Thinking through Problem Solving
Performance Task 1
Performance Task 2
Objective 6 Selected Response Questions

Elementary TEKS & TAKS		Region 4 Tutoring or Intervention Publications	
TEKS SE	**TAKS Objective Grade 5**	**Accelerated Curriculum Grade 5 Lesson #**	**TAKS Mathematics Preparation Grade 5 Objective - Lesson**
5.1(A)	**1**	1.1	1 - Place Value, Whole Numbers, and Decimals
5.1(B)	**1**	1.3, 2.1, 2.2	1 - Place Value, Whole Numbers, and Decimals
5.2(A)	**1**	5.1	1 - Fractions
5.2(B)	**1**		
5.2(C)	**1**	5.2	1 - Fractions
5.2(D)	**1**	1.2	1 - Fractions/Decimals
5.3(A)	**1**	2.3	1 - Addition and Subtraction of Whole Numbers and Decimals
5.3(B)	**1**	3.3	1 - Factors/Multiplication
5.3(C)	**1**	4.1	1 - Division
5.3(D)	**1**	4.2, 4.3, 4.4	1 - Factors/Multiplication
5.3(E)	**1**	5.3	1 - Addition and Subtraction of Fractions
5.4(A)	**1**	3.1, 3.2	1 - Addition and Subtraction of Whole Numbers and Decimals; Division
5.5(A)	**2**	5.1, 13.2	2 - Generalizations from Patterns
5.5(B)	**2**	4.2	2 - Prime/Composite
5.6(A)	**2**	8.1, 14.1	2 - Generalizations from Patterns
5.7(A)	**3**	11.3, 12.1, 12.2, 12.3, 12.4	3 - Critical Attributes
5.8(A)		12.5	3 - Transformations
5.8(B)	**3**	12.5	3 - Transformations
5.9(A)	**3**	7.1	3 - Coordinate Grids
5.10(A)	**4**	7.2, 7.3, 8.1, 8.2, 8.3, 9.2, 9.3, 10.1, 10.2, 10.3	4 - Length/Perimeter/Area; Weight; Capacity
5.10(B)	**4**	8.1, 8.2, 9.1	
5.10(C)	**4**	7.2, 7.3, 8.2, 8.3, 9.1, 9.2, 9.3, 10.1, 10.2, 10.3	4 - Volume; Length/Perimeter/Area
5.11(A)	**4**	11.2	4 - Temperature
5.11(B)	**4**	11.1	4 - Time
5.12(A)	**5**	14.2	5 - Probability
5.12(B)	**5**	14.2	5 - Probability
5.12(C)	**5**	13.1	
5.13(A)	**5**	6.1	5 - Graphs
5.13(B)	**5**	6.2	5 - Graphs
5.13(C)	**5**	6.3	5 - Graphs
5.14(A)	**6**		Performance Task 1 and 2 (covers Obj 1 also)
5.14(B)	**6**		Performance Task 1 and 2 (covers Obj 1 also)
5.14(C)	**6**		Performance Task 1 and 2 (covers Obj 1 also)
5.14(D)			
5.15(A)			
5.15(B)	**6**		Performance Task 1 and 2 (covers Obj 1 also)
5.16(A)	**6**		Performance Task 1 and 2 (covers Obj 1 also)
5.16(B)			