

TEKS Readiness and Supporting Standards

This chart matches the TEKS Readiness and Supporting Standards to the Lessons in
How to Get Better Test Scores, Grade 4 Math.

Standards in bold type are Readiness Standards, the standards assessed and emphasized on the test.
The remaining standards are Supporting Standards that are assessed but not emphasized.

Lesson	TEKS Readiness and Supporting Standards
Lesson 1: Numbers and Operations	Reporting Category 1: Numbers, Operations, and Quantitative Reasoning The student will demonstrate an understanding of numbers, operations, and quantitative reasoning.
	TEKS (4.1) (A) use place value to read, write, compare, and order whole numbers through 999,999,999; and (B) use place value to read, write, compare, and order decimals involving tenths and hundredths, including money, using [concrete objects] and pictorial models.
	TEKS (4.2) (A) use [concrete objects and] pictorial models to generate equivalent fractions; (B) model fraction quantities greater than one using [concrete objects and] pictorial models; (C) compare and order fractions using [concrete objects and] pictorial models; and (D) relate decimals to fractions that name tenths and hundredths using [concrete objects and] pictorial models.
	TEKS (4.3) (A) use addition and subtraction to solve problems involving whole numbers; and (B) add and subtract decimals to the hundredths place using [concrete objects and] pictorial models.
	TEKS (4.4) (A) model factors and products using arrays and area models; (B) represent multiplication and division situations in picture, word, and number form; (C) recall and apply multiplication facts through 12312; (D) use multiplication to solve problems (no more than two digits times two digits without technology); and (E) use division to solve problems (no more than one-digit divisors and three-digit dividends without technology).
	TEKS (4.5) (A) round whole numbers to the nearest ten, hundred, or thousand to approximate reasonable results in problem situations; and (B) use strategies including rounding and compatible numbers to estimate solutions to multiplication and division problems.
Lesson 2: Patterns and Relationships	Reporting Category 2: Patterns, Relationships, and Algebraic Thinking The student will demonstrate an understanding of patterns, relationships, and algebraic reasoning.
	TEKS (4.6) (A) use patterns and relationships to develop strategies to remember basic multiplication and division facts (such as the patterns in related multiplication and division number sentences (fact families) such as 939581 and 814959); and (B) use patterns to multiply by 10 and 100.
	TEKS (4.7) (A) describe the relationship between two sets of related data such as ordered pairs in a table.
Lesson 3: Geometry	Reporting Category 3: Geometry and spatial reasoning The student will demonstrate an understanding of geometry and spatial reasoning.
	TEKS (4.8) (A) identify and describe right, acute, and obtuse angles; (B) identify and describe parallel and intersecting (including perpendicular) lines using [concrete objects and] pictorial models; and (C) use essential attributes to define two- and three-dimensional geometric figures.
	TEKS (4.9) (B) use translations, reflections, and rotations to verify that two shapes are congruent; and (C) use reflections to verify that a shape has symmetry.
	TEKS (4.10) (A) locate and name points on a number line using whole numbers, fractions such as halves and fourths, and decimals such as tenths.

TEKS Readiness and Supporting Standards *continued*

Lesson	TEKS Readiness and Supporting Standards
Lesson 4: Measurement	Reporting Category 4: Measurement The student will demonstrate an understanding of the concepts and uses of measurement.
	TEKS (4.11) (A) estimate and use measurement tools to determine length (including perimeter), area, capacity, and weight/mass using standard units SI (metric) and customary; (B) perform simple conversions between different units of length, between different units of capacity, and between different units of weight within the customary measurement system; and (C) use [concrete] models of standard cubic units to measure volume.
	TEKS (4.12) (A) use a thermometer to measure temperature and changes in temperature.
Lesson 5: Probability & Statistics	Reporting Category 5: Probability and Statistics The student will demonstrate an understanding of probability and statistics.
	TEKS (4.13) (A) use [concrete] objects or pictures to make generalizations about determining all possible combinations of a given set of data or of objects in a problem situation; and (B) interpret bar graphs.
Lesson 6: Problem Solving	Underlying Processes and Mathematical Tools These skills will not be listed under a separate recording category. Instead, they will be incorporated into at least 75% of the test questions in reporting categories 1–5 and will be identified along with content standards.
	TEKS (4.14) (A) identify the mathematics in everyday situations; (B) solve problems that incorporate understanding the problem, making a plan, carrying out the plan, and evaluating the solution for reasonableness; and (C) select or develop an appropriate problem-solving strategy, including drawing a picture, looking for a pattern, systematic guessing and checking, acting it out, making a table, working a simpler problem, or working backwards to solve a problem.
	TEKS (4.15) (B) relate informal language to mathematical language and symbols.
	TEKS (4.16) (A) make generalizations from patterns or sets of examples and nonexamples.

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