	Test Code	Year	Form
	1051	15	3
	Last Revision Date: 04/20/2015		

ACP Blueprint
Grade 5 Mathematics
Semester 1, 2015–2016

SE Descriptions	Reporting Category	TEKS/SE	R or S	No. of Items	% of Test
1. **Number and operations.** Represent the value of the digit in decimals through the thousandths using expanded notation and numerals.	1	5.2A	S	1	4%
2. **Number and operations.** Compare and order two decimals to thousandths and represent comparisons using the symbols >, <, or =.	1	5.2B	R	2	8%
3. **Number and operations.** Estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, multiplication, or division.	2	5.3A	S	1	4%
4. **Number and operations.** Multiply with fluency a three-digit number by a two-digit number using the standard algorithm.	2	5.3B	S	1	4%
5. **Number and operations.** Solve with proficiency for quotients of up to a four-digit dividend by a two-digit divisor using strategies and the standard algorithm.	2	5.3C	S	1	4%
6. **Number and operations.** Represent multiplication of decimals with products to the hundredths using objects and pictorial models, including area models.	2	5.3D	S	1	4%
7. **Number and operations.** Solve for products of decimals to the hundredths, including situations involving money, using strategies based on place-value understandings, properties of operations, and the relationship to the multiplication of whole numbers.	2	5.3E	R	2	8%
8. **Number and operations.** Solve for quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using strategies and algorithms, including the standard algorithm.	2	5.3G	R	2	8%
9. **Number and operations.** Represent and solve addition and subtraction of fractions with unequal denominators referring to the same whole using objects and pictorial models and properties of operations.	2	5.3H	S	1	4%
10. **Number and operations.** Represent and solve multiplication of a whole number and a fraction that refers to the same whole using objects and pictorial models, including area models.	2	5.3I	S	1	4%
11. **Number and operations.** Represent division of a unit fraction by a whole number and the division of a whole number by a unit fraction such as 1/3 ÷ 7 and 7 ÷ 1/3 using objects and pictorial models, including area models.	2	5.3J	S	1	4%

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12. Number and operations. Add and subtract positive rational numbers fluently.	2	5.3K	R	2	8%
13. Number and operations. Divide whole numbers by unit fractions and unit fractions by whole numbers.	2	5.3L	R	2	8%
14. Algebraic reasoning. Identify prime and composite numbers.	1	5.4A	S	1	4%
15. Algebraic reasoning. Represent and solve multi-step problems involving the four operations with whole numbers using equations with a letter standing for the unknown quantity.	2	5.4B	R	2	8%
16. Algebraic reasoning. Simplify numerical expressions that do not involve exponents, including up to two levels of grouping.	1	5.4F	R	2	8%
17. Personal financial literacy. Define income tax, payroll tax, sales tax, and property tax.	4	5.10A	S	1	4%
	Total		R	14	58%
			S	10	42%
			All	24	

Note: R = Readiness Standard, **S** = Supporting Standard
A copy of the Grade 5 Mathematics STAAR Reference Chart is printed in each booklet.
This assessment is consumable.
Calculators are **NOT** permitted on this assessment.
Percentages are rounded to the nearest whole number.

Reporting Categories: 1. Numerical Representations and Relationships
2. Computations and Algebraic Relationships
3. Geometry and Measurement
4. Data Analysis and Personal Finance

Mathematical Process Standards

Description:	SE
Apply mathematics to problems arising in everyday life, society, and the workplace.	1A
Use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.	1B
Select tools, including real objects, manipulative, paper and pencil, and technology as appropriate, and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.	1C
Communicate mathematical ideas, reasoning, and t heir implications using multiple representations, including symbols, diagrams, graphs, and language as appropriate.	1D
Create and use representations to organize, record, and communicate mathematical ideas.	1E
Analyze mathematical relationships to connect and communicate mathematical ideas.	1F
Display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communication.	1G