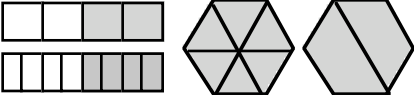


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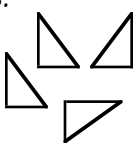
Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
Number Sense, Number Systems, Number Theory				
1 Stanford 9	<ul style="list-style-type: none"> • <i>Demonstrate proficiency in the use of basic number concepts and skills.</i> <ul style="list-style-type: none"> - <i>Identifying odd and even numbers</i> - <i>Comparing numbers and sets from 0 to 1000</i> - <i>Reading and writing number words from 0 to 1000</i> - <i>Naming numbers from 0 to 9999</i> - <i>Ordering numbers from 0 to 9999</i> - <i>Using >, <, and ≠ symbols</i> 	Appetizers 1 A, C, & E; Main Dish Objective 1 (Number Concepts) Lessons 1, 3, & 5; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
2 Stanford 9	<ul style="list-style-type: none"> • <i>Demonstrate an understanding of place value using physical materials and numerical and pictorial representations.</i> <ul style="list-style-type: none"> - <i>Identifying the place value of any digit in numbers 1 through 9999</i> - <i>Determining the value of a number written in expanded notation</i> - <i>Writing numbers in expanded notation</i> Example: $342 = 300 + 40 + 2$ 	Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
3 Stanford 9	<ul style="list-style-type: none"> • <i>Round whole numbers to the nearest ten and hundred.</i> 	Appetizers 10 B; Main Dish Objective 10 (Estimation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
4 Stanford 9	<ul style="list-style-type: none"> • Use skills associated with estimation to solve problems. <ul style="list-style-type: none"> - Using compatible numbers Example: $24 + 26 = 25 + 25$ - Using front-end estimation Example: 72 is $\begin{array}{r} +36 \\ \text{approximately } 70 \\ +30 \end{array}$ - Determining whether results are reasonable - Using calculators to check answers to estimation problems 	Appetizers 10; 13; Main Dish Objectives 10 (Estimation) All Lessons; 13 (Reasonableness) All Lessons; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
5 Stanford 9	<ul style="list-style-type: none"> • Demonstrate proficiency in adding and subtracting two-digit numbers with and without regrouping. 	Appetizers 6 A; 7 A; Main Dish Objectives 6 (Addition) Lesson 1; 7 (Subtraction) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
6 Stanford 9	<ul style="list-style-type: none"> • Add and subtract three-digit numbers with and without regrouping. 	Appetizers 6 C; 7 A; Main Dish Objectives 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
7 Stanford 9	<ul style="list-style-type: none"> • Develop vocabulary associated with operations. Examples: factors, quotient 	Appetizers 8 A; 9 A; Main Dish Objectives 8 (Multiplication) Lesson 1; 9 (Division) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
8 Stanford 9	<ul style="list-style-type: none"> • Demonstrate an understanding of multiplication. <ul style="list-style-type: none"> - Representing multiplication using physical materials Example: counters - Telling and writing number stories involving multiplication - Recognizing multiplication as repeated addition - Applying multiplication to problem situations 	Appetizers 8 A; 12 B; Main Dish Objectives 8 (Multiplication) Lesson 1; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
9 Stanford 9	<ul style="list-style-type: none"> • <i>Demonstrate oral and written proficiency in using basic multiplication facts through 9 x 9.</i> 	Appetizers 8 A; Main Dish Objective 8 (Multiplication) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
10 Stanford 9	<ul style="list-style-type: none"> • <i>Multiply whole numbers with and without regrouping using single-digit multipliers.</i> 	Appetizers 8 A; Main Dish Objective 8 (Multiplication) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
11	<ul style="list-style-type: none"> • <i>Develop an understanding of division.</i> <ul style="list-style-type: none"> - <i>Representing division with physical materials</i> Example: counters - <i>Illustrating division as repeated subtraction</i> - <i>Illustrating division as the inverse of multiplication</i> - <i>Using division symbols</i> 	Appetizers 9 A; Main Dish Objective 9 (Division) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
12	<ul style="list-style-type: none"> • <i>Divide using one-digit divisors.</i> 	Appetizers 9 A; Main Dish Objective 9 (Division) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
13 Stanford 9	<ul style="list-style-type: none"> • <i>Determine which operations are needed to solve problems.</i> 	Appetizers 11; 12; Main Dish Objectives 11 (Problem Solving) All Lessons; 12 (Mathematical Representation) All Lessons; Applications; Final Tests; Reasonableness Problems; Journal Topics		
14 Stanford 9	<ul style="list-style-type: none"> • <i>Analyze problems for missing information.</i> 	Appetizers 11 C; Main Dish Objective 11 (Problem Solving) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
15 Stanford 9	<ul style="list-style-type: none"> Solve non-routine problems using a variety of strategies. Examples: tables, charts, manipulatives, patterns and drawings, guess and check 	Appetizers 12; Main Dish Objective 12 (Mathematical Representation) All Lessons; Applications; Final Tests; Reasonableness Problems; Journal Topics		
16 Stanford 9	<ul style="list-style-type: none"> Demonstrate proficiency in identifying a fraction model. <ul style="list-style-type: none"> Parts of a whole figure Parts of a group of objects Example: using physical materials: fraction circles, marbles 	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
17	<ul style="list-style-type: none"> Model equivalent fractions with concrete objects. Examples: fraction bars, pattern blocks 	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
18 Stanford 9	<ul style="list-style-type: none"> Compare and order fractions with common denominators. 	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
19	<ul style="list-style-type: none"> Identify decimals. 	Appetizers 1 G; Main Dish Objective 1 (Number Concepts) Lesson 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		
20 Stanford 9	<ul style="list-style-type: none"> Compare and order decimals. Examples: $.25 < .75$; $.10, .25, .50$ 	Main Dish Objective 1 (Number Concepts) Lesson 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		

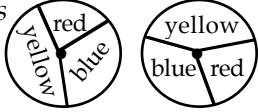
Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
21	• <i>Use the decimal point in money values.</i>	Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
22 Stanford 9	• <i>Add and subtract money values.</i>	Appetizers 6 B; 7 B; Main Dish Objectives 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
23 Stanford 9	• <i>Round money values to the nearest dollar.</i>	Appetizers 10 B; Main Dish Objective 10 (Estimation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
24 Stanford 9	• <i>Identify number sentences that represent the commutative and associative properties of addition and multiplication.</i>	Appetizers 2 A; Main Dish Objective 2 (Mathematical Relations) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
25 Stanford 9	• <i>Identify number sentences that represent the identity property of multiplication.</i>	Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
26 Stanford 9	• <i>Identify number sentences that represent zero property of multiplication.</i>			

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
27 Stanford 9	<ul style="list-style-type: none"> Illustrate that addition and subtraction are inverse operations. Example: $8 + 9 = 17$ and $9 + 8 = 17$; therefore, $17 - 8 = 9$ and $17 - 9 = 8$ 	Appetizers 2 A; Main Dish Objective 2 (Mathematical Relations) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
28 Stanford 9	<ul style="list-style-type: none"> Illustrate multiplication and division as inverse operations. Example: number families (3, 4, 12) $3 \times 4 = 12$; $4 \times 3 = 12$; $12 \div 3 = 4$; $12 \div 4 = 3$ 	Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
Geometry, Spatial Sense, Measurement				
29 Stanford 9	<ul style="list-style-type: none"> Identify geometric figures. Examples: cones, cubes, cylinders, spheres, rectangular prisms, quadrilaterals, pentagons, hexagons, octagons 	Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
30 Stanford 9	<ul style="list-style-type: none"> Use terms associated with geometric figures. Examples: sides, vertices, angles, surfaces, edges 	Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
31 Stanford 9	<ul style="list-style-type: none"> Identify rotations (turns) and reflections (flips). Examples: reflection rotation 	Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
32 Stanford 9	<ul style="list-style-type: none"> Demonstrate proficiency in identifying lines of symmetry. 	Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
33 Stanford 9	• <i>Demonstrate proficiency in identifying congruent shapes and figures.</i>	Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
34	• <i>Determine perimeter of polygons.</i>	Appetizers 4 E; Main Dish Objective 4 (Measurement) Lesson 5; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
35 Stanford 9	• <i>Determine and compare areas on a grid.</i>	Appetizers 4 F; Main Dish Objective 4 (Measurement) Lesson 6; Applications; Final Tests; Reasonableness Problems; Journal Topics		
36 Stanford 9	• <i>Determine coordinate locations on a grid.</i>			
37 Stanford 9	• <i>Read scales of length, temperature, weight, and capacity.</i>	Appetizers 4 B, C, & D; Main Dish Objective 4 (Measurement) Lessons 2, 3, & 4; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
38	• <i>Use abbreviations and symbols for units of measurement in the customary and metric systems.</i>	Appetizers 4 B, C, & D; Main Dish Objective 4 (Measurement) Lessons 2, 3, & 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
39 Stanford 9	<ul style="list-style-type: none"> Estimate, determine, record, and discuss length, distance, mass, weight, and capacity using appropriate metric and customary measuring tools and units. 	Appetizers 4 B & D; Main Dish Objective 4 (Measurement) Lessons 2 & 4; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
40 Stanford 9	<ul style="list-style-type: none"> Estimate, determine, record, and discuss temperature using Celsius and Fahrenheit thermometers. 	Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
41 Stanford 9	<ul style="list-style-type: none"> Select appropriate units for measuring and solving problems in both the metric and customary systems. 	Appetizers 4 B, C, & D; Main Dish Objective 4 (Measurement) Lessons 2, 3, & 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
42	<ul style="list-style-type: none"> Identify equivalent measures within a measurement system. Examples: 12 inches = 1 foot, 4 cups = 1 quart, 100 centimeters = 1 meter 			
43	<ul style="list-style-type: none"> Explain vocabulary associated with time. <ul style="list-style-type: none"> a.m. and p.m. Noon and midnight 	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
44	<ul style="list-style-type: none"> Demonstrate proficiency in using analog and digital clocks to identify time to the minute. 	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
45	<ul style="list-style-type: none"> Solve problems using analog and digital clocks. 	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
46 Stanford 9	<ul style="list-style-type: none"> Identify and determine elapsed time. <ul style="list-style-type: none"> Using calendars Using clocks 	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
47 Stanford 9	<ul style="list-style-type: none"> Use coins and bills. <ul style="list-style-type: none"> Counting and trading Making change up to \$10.00 	Appetizers 1 F; 6 B; 7 B; Main Dish Objectives 1 (Number Concepts) Lesson 6; 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
Patterns, Functions, Algebra				
48 Stanford 9	<ul style="list-style-type: none"> Describe, extend, and create a variety of number patterns. 	Appetizers 2 C; Main Dish Objective 2 (Mathematical Relations) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
49 Stanford 9	<ul style="list-style-type: none"> Describe, extend, and create a variety of geometric patterns. 	Appetizers 2 C; Main Dish Objective 2 (Mathematical Relations) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
50	<ul style="list-style-type: none"> Explore number patterns using a calculator. 			
51	<ul style="list-style-type: none"> Use addition and subtraction number sentences to express equalities. Example: $17 + 3 = 25 - 5$ 	Appetizers 2 A; Main Dish Objective 2 (Mathematical Relations) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
52	<ul style="list-style-type: none"> Solve addition and subtraction number sentences with a missing addend or subtrahend. 	Appetizers 6 A & B; 7 A & B; 11 A; 12 A; Main Dish Objectives 6 (Addition) Lessons 1 & 2; 7 (Subtraction) Lessons 1 & 2; 11 (Problem Solving) Lesson 1; 12 (Mathematical Representation) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
Probability, Statistics, Discrete Mathematics				
53 Stanford 9	<ul style="list-style-type: none"> Analyze information collected from real-life situations. <ul style="list-style-type: none"> Organizing data Displaying data Examples: lists, tables, tally charts, pictographs, bar graphs, circle graphs Describing data 	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
54 Stanford 9	<ul style="list-style-type: none"> Make predictions and decisions from a sampling. 	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
55	<ul style="list-style-type: none"> Predict, record, and discuss outcomes using real-life data and information. <ul style="list-style-type: none"> Examples: weather, daily classroom activities, events 	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
56 Stanford 9	<ul style="list-style-type: none"> Identify most likely and least likely outcomes. <ul style="list-style-type: none"> Examples: tossing coins, using spinners <div style="text-align: center;">  </div>	Appetizers 5 B; Main Dish Objective 5 (Probability/Statistics) Extension Activity; Applications; Final Tests; Reasonableness Problems; Journal Topics		

Stanford Achievement, Ninth Edition Primary 3 objectives not included in this course:

MEASUREMENT - Compare lengths. (addressed in first grade)