

## Sixth Grade Scoring Booklet

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

Teacher: \_\_\_\_\_ School: \_\_\_\_\_ School Year: \_\_\_\_\_

	Benchmark 1	Benchmark 2	Benchmark 3
Date			
Computation Form A			
Computation Form B			
Computation Average (Form A + Form B)/2			
Concepts and Applications			

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## Computation / Benchmark 1

Problems	Skills Assessed
1	Add two decimals to the tenth place, without renaming
2	Subtract two decimals to the hundredth place, without renaming.
3	Multiply a two-digit number by a three-digit number.
4	Divide a four-digit dividend by a two-digit divisor, where the divisor evenly goes into the first two or three digits of the dividend, resulting in no remainder.
5	Add or subtract two mixed numbers with unlike denominators.
6	Add two decimals to the hundredth place, with renaming.
7	Subtract two decimals with both decimals to the hundredth place, with renaming.
8	Multiply two decimals to the tenth place, without renaming
9	Divide a three-digit dividend by a decimal to the tenth place, without a remainder.
10	Add two decimals to the hundredth place, with renaming.
11	Multiply one decimal to the tenth place by a single digit number, with renaming
12	Divide a four-digit dividend by a two-digit divisor, where the divisor does not evenly go into the first two or three digits of the dividend, resulting in no remainder.
13	Multiply a decimal to the tenth place with a decimal to the hundredth place.
14	Divide a decimal to the hundredth place by a decimal to the tenth place, without a remainder.
15	Subtract two decimals with both decimals to the hundredth place, with renaming.
16	Divide a decimal to the hundredth place by a decimal to the tenth place, where the divisor evenly goes into the first two or three digits of the dividend, resulting in no remainder.

## Concepts and Applications / Benchmark 3

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> <ol style="list-style-type: none"> <li>Determine the ratio of the first set of items to the second set of items.</li> <li>Solve two-step problems involving multiplication and division.</li> <li>Complete a ratio table.</li> <li>Determine the rate of an object when given an amount and the total price.</li> <li>Solve a problem that has a constant.</li> </ol>
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> <ol style="list-style-type: none"> <li>Determine the mean and median of a set of numbers.</li> <li>Determine the range, median, and maximum number of the data from a box plot.</li> </ol>
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> <ol style="list-style-type: none"> <li>Determine the quadrants where ordered pairs are located.</li> <li>Label positive and negative numbers on a number line.</li> <li>Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph.</li> <li>Solve problems of absolute value.</li> <li>Write an inequality based on given problem information.</li> </ol>
4A, 4B, 15, 19	<b>Apply and extend previous understandings of arithmetic to algebraic expressions:</b> <ol style="list-style-type: none"> <li>Write algebraic expressions.</li> <li>Determine the squared or cubed value of a single-digit whole number.</li> <li>Write an equation based on given problem information.</li> </ol>
5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> <ol style="list-style-type: none"> <li>Determine the volume of an object and how many smaller objects that would fit inside it.</li> <li>Determine the surface area of a cube or pyramid.</li> </ol>
8, 11A, 11B, 11C	<b>Reason about and solve one-variable equations and inequalities:</b> <ol style="list-style-type: none"> <li>Determine if a number substitution makes an inequality true or false.</li> <li>Complete a ratio table, write an equation that illustrates the relationship from the ratio table, and make a bar graph that represents the data.</li> </ol>
18	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> <ol style="list-style-type: none"> <li>Determine the greatest common factor of two double-digit numbers.</li> </ol>

## Computation / Benchmark 3

Problems	Skills Assessed
1	Add two decimals to the tenth place, without renaming
2	Subtract two decimals to the hundredth place, without renaming.
3	Multiply a two-digit number by a three-digit number.
4	Divide a four-digit dividend by a two-digit divisor, where the divisor evenly goes into the first two or three digits of the dividend, resulting in no remainder.
5	Add or subtract two mixed numbers with unlike denominators.
6	Add two decimals to the hundredth place, with renaming.
7	Subtract two decimals with both decimals to the hundredth place, with renaming.
8	Multiply two decimals to the tenth place, without renaming
9	Divide a three-digit dividend by a decimal to the tenth place, without a remainder.
10	Add two decimals to the hundredth place, with renaming.
11	Multiply one decimal to the tenth place by a single digit number, with renaming
12	Divide a four-digit dividend by a two-digit divisor, where the divisor does not evenly go into the first two or three digits of the dividend, resulting in no remainder.
13	Multiply a decimal to the tenth place with a decimal to the hundredth place.
14	Divide a decimal to the hundredth place by a decimal to the tenth place, without a remainder.
15	Subtract two decimals with both decimals to the hundredth place, with renaming.
16	Divide a decimal to the hundredth place by a decimal to the tenth place, where the divisor evenly goes into the first two or three digits of the dividend, resulting in no remainder.

## Concepts and Applications / Benchmark 1

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> <ol style="list-style-type: none"> <li>Determine the ratio of the first set of items to the second set of items.</li> <li>Solve two-step problems involving multiplication and division.</li> <li>Complete a ratio table.</li> <li>Determine the rate of an object when given an amount and the total price.</li> <li>Solve a problem that has a constant.</li> </ol>
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> <ol style="list-style-type: none"> <li>Determine the mean and median of a set of numbers.</li> <li>Determine the range, median, and maximum number of the data from a box plot.</li> </ol>
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> <ol style="list-style-type: none"> <li>Determine the quadrants where ordered pairs are located.</li> <li>Label positive and negative numbers on a number line.</li> <li>Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph.</li> <li>Solve problems of absolute value.</li> <li>Write an inequality based on given problem information.</li> </ol>
4A, 4B, 15, 19	<b>Apply and extend previous understandings of arithmetic to algebraic expressions:</b> <ol style="list-style-type: none"> <li>Write algebraic expressions.</li> <li>Determine the squared or cubed value of a single-digit whole number.</li> <li>Write an equation based on given problem information.</li> </ol>
5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> <ol style="list-style-type: none"> <li>Determine the volume of an object and how many smaller objects that would fit inside it.</li> <li>Determine the surface area of a cube or pyramid.</li> </ol>
8, 11A, 11B, 11C	<b>Reason about and solve one-variable equations and inequalities:</b> <ol style="list-style-type: none"> <li>Determine if a number substitution makes an inequality true or false.</li> <li>Complete a ratio table, write an equation that illustrates the relationship from the ratio table, and make a bar graph that represents the data.</li> </ol>
18	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> <ol style="list-style-type: none"> <li>Determine the greatest common factor of two double-digit numbers.</li> </ol>

## Computation / Benchmark 2

Problems	Skills Assessed
1	Add two decimals to the tenth place, without renaming
2	Subtract two decimals to the hundredth place, without renaming.
3	Multiply a two-digit number by a three-digit number.
4	Divide a four-digit dividend by a two-digit divisor, where the divisor evenly goes into the first two or three digits of the dividend, resulting in no remainder.
5	Add or subtract two mixed numbers with unlike denominators.
6	Add two decimals to the hundredth place, with renaming.
7	Subtract two decimals with both decimals to the hundredth place, with renaming.
8	Multiply two decimals to the tenth place, without renaming
9	Divide a three-digit dividend by a decimal to the tenth place, without a remainder.
10	Add two decimals to the hundredth place, with renaming.
11	Multiply one decimal to the tenth place by a single digit number, with renaming
12	Divide a four-digit dividend by a two-digit divisor, where the divisor does not evenly go into the first two or three digits of the dividend, resulting in no remainder.
13	Multiply a decimal to the tenth place with a decimal to the hundredth place.
14	Divide a decimal to the hundredth place by a decimal to the tenth place, without a remainder.
15	Subtract two decimals with both decimals to the hundredth place, with renaming.
16	Divide a decimal to the hundredth place by a decimal to the tenth place, where the divisor evenly goes into the first two or three digits of the dividend, resulting in no remainder.

## Concepts and Applications / Benchmark 2

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> <ol style="list-style-type: none"> <li>Determine the ratio of the first set of items to the second set of items.</li> <li>Solve two-step problems involving multiplication and division.</li> <li>Complete a ratio table.</li> <li>Determine the rate of an object when given an amount and the total price.</li> <li>Solve a problem that has a constant.</li> </ol>
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> <ol style="list-style-type: none"> <li>Determine the mean and median of a set of numbers.</li> <li>Determine the range, median, and maximum number of the data from a box plot.</li> </ol>
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> <ol style="list-style-type: none"> <li>Determine the quadrants where ordered pairs are located.</li> <li>Label positive and negative numbers on a number line.</li> <li>Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph.</li> <li>Solve problems of absolute value.</li> <li>Write an inequality based on given problem information.</li> </ol>
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5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> <ol style="list-style-type: none"> <li>Determine the volume of an object and how many smaller objects that would fit inside it.</li> <li>Determine the surface area of a cube or pyramid.</li> </ol>
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18	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> <ol style="list-style-type: none"> <li>Determine the greatest common factor of two double-digit numbers.</li> </ol>