

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 tenths place, without renaming.
2	Subtract two decimals to the hundredths 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 a quotient and no remainder.
5	Add or subtract two mixed numbers with unlike denominators.
6	Add two decimals to the hundredths place, with renaming.
7	Subtract two decimals to the hundredths place, with renaming.
8	Multiply two decimals to the tenths place, without renaming.
9	Divide a three-digit dividend by a decimal to the tenth place, resulting in a quotient and no remainder.
10	Add two decimals to the hundredths place, with renaming.
11	Multiply a single digit number by one decimal to the tenths place, 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 a quotient and no remainder.
13	Multiply a decimal to the tenths place by a decimal to the hundredths place.
14	Divide a decimal to the hundredths place by a decimal to the tenths place, resulting in a quotient and no remainder.
15	Subtract two decimals to the hundredths place, with renaming.
16	Divide a decimal to the hundredths place by a decimal to the tenths place, where the divisor evenly goes into the first two or three digits of the dividend, resulting in a quotient and no remainder.

Concepts and Applications / Benchmark 3

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

Computation / Benchmark 3

Problems	Skills Assessed
1	Add two decimals to the tenths place, without renaming.
2	Subtract two decimals to the hundredths 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 a quotient and no remainder.
5	Add or subtract two mixed numbers with unlike denominators.
6	Add two decimals to the hundredths place, with renaming.
7	Subtract two decimals to the hundredths place, with renaming.
8	Multiply two decimals to the tenths place, without renaming.
9	Divide a three-digit dividend by a decimal to the tenths place resulting in a quotient and no remainder.
10	Add two decimals to the hundredths place, with renaming.
11	Multiply a single digit number by one decimal to the tenths place, 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 a quotient and no remainder.
13	Multiply a decimal to the tenths place with a decimal to the hundredths place.
14	Divide a decimal to the hundredths place by a decimal to the tenths place, resulting in a quotient and no remainder.
15	Subtract two decimals to the hundredths place, with renaming.
16	Divide a decimal to the hundredths place by a decimal to the tenths place, where the divisor evenly goes into the first two or three digits of the dividend, resulting in a quotient and no remainder.

Concepts and Applications / Benchmark 1

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

Computation / Benchmark 2

Problems	Skills Assessed
1	Add two decimals to the tenths place, without renaming.
2	Subtract two decimals to the hundredths 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 a quotient and no remainder.
5	Add or subtract two mixed numbers with unlike denominators.
6	Add two decimals to the hundredths place, with renaming.
7	Subtract two decimals to the hundredths place, with renaming.
8	Multiply two decimals to the tenths place, without renaming.
9	Divide a three-digit dividend by a decimal to the tenths place, resulting in a quotient and no remainder.
10	Add two decimals to the hundredths place, with renaming.
11	Multiply a single digit number by one decimal to the tenths place, 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 a quotient and no remainder.
13	Multiply a decimal to the tenths place by a decimal to the hundredths place.
14	Divide a decimal to the hundredths place by a decimal to the tenths place, resulting in a quotient and no remainder.
15	Subtract two decimals to the hundredths place, with renaming.
16	Divide a decimal to the hundredths place by a decimal to the tenths place, where the divisor evenly goes into the first two or three digits of the dividend, resulting in a quotient and no remainder.

Concepts and Applications / Benchmark 2

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