

## Concepts and Applications / Level 6

Name: \_\_\_\_\_

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

Teacher: \_\_\_\_\_

School: \_\_\_\_\_

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

	Month	Week 1	Week 2	Week 3	Week 4
180					
170					
160					
150					
140					
130					
120					
110					
100					
90					
80					
70					
60					
50					
40					
30					
20					
10					
0					

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## Concepts and Applications / Progress Monitoring 1

## Notes:

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

## Notes:

## Concepts and Applications / Progress Monitoring 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>
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>

## Concepts and Applications / Progress Monitoring 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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 20

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 19

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 4

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 5

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 18

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 17

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 6

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 7

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 16

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>



## Concepts and Applications / Progress Monitoring 15

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> 1. Determine the ratio of the first set of items to the second set of items. 6. Solve two-step problems involving multiplication and division. 9. Complete a ratio table. 12. Determine the rate of an object when given an amount and the total price. 17. Solve a problem that has a constant.
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> 2A & 2B. Determine the mean and median of a set of numbers. 13. Determine the range, median, and maximum number of the data from a box plot.
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> 3. Determine the quadrants where ordered pairs are located. 7. Label positive and negative numbers on a number line. 10A & 10B. Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph. 14. Solve problems of absolute value. 20. Write an inequality based on given problem information.
4A, 4B, 15, 19	<b>Apply and extend previous understandings of arithmetic to algebraic expressions:</b> 4A & 4B. Write algebraic expressions. 15. Determine the squared or cubed value of a single-digit whole number. 19. Write an equation based on given problem information.
5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> 5A & 5B. Determine the volume of an object and how many smaller objects that would fit inside it. 16. Determine the surface area of a cube or pyramid.
8, 11A, 11B, 11C	<b>Reason about and solve one-variable equations and inequalities:</b> 8. Determine if a number substitution makes an inequality true or false. 11A, 11B, 11C. 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	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> Determine the greatest common factor of two double-digit numbers.

## Concepts and Applications / Progress Monitoring 8

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> 1. Determine the ratio of the first set of items to the second set of items. 6. Solve two-step problems involving multiplication and division. 9. Complete a ratio table. 12. Determine the rate of an object when given an amount and the total price. 17. Solve a problem that has a constant.
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> 2A & 2B. Determine the mean and median of a set of numbers. 13. Determine the range, median, and maximum number of the data from a box plot.
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> 3. Determine the quadrants where ordered pairs are located. 7. Label positive and negative numbers on a number line. 10A & 10B. Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph. 14. Solve problems of absolute value. 20. Write an inequality based on given problem information.
4A, 4B, 15, 19	<b>Apply and extend previous understandings of arithmetic to algebraic expressions:</b> 4A & 4B. Write algebraic expressions. 15. Determine the squared or cubed value of a single-digit whole number. 19. Write an equation based on given problem information.
5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> 5A & 5B. Determine the volume of an object and how many smaller objects that would fit inside it. 16. Determine the surface area of a cube or pyramid.
8, 11A, 11B, 11C	<b>Reason about and solve one-variable equations and inequalities:</b> 8. Determine if a number substitution makes an inequality true or false. 11A, 11B, 11C. 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	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> Determine the greatest common factor of two double-digit numbers.

## Concepts and Applications / Progress Monitoring 9

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 14

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 13

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> 1. Determine the ratio of the first set of items to the second set of items. 6. Solve two-step problems involving multiplication and division. 9. Complete a ratio table. 12. Determine the rate of an object when given an amount and the total price. 17. Solve a problem that has a constant.
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> 2A & 2B. Determine the mean and median of a set of numbers. 13. Determine the range, median, and maximum number of the data from a box plot.
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> 3. Determine the quadrants where ordered pairs are located. 7. Label positive and negative numbers on a number line. 10A & 10B. Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph. 14. Solve problems of absolute value. 20. Write an inequality based on given problem information.
4A, 4B, 15, 19	<b>Apply and extend previous understandings of arithmetic to algebraic expressions:</b> 4A & 4B. Write algebraic expressions. 15. Determine the squared or cubed value of a single-digit whole number. 19. Write an equation based on given problem information.
5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> 5A & 5B. Determine the volume of an object and how many smaller objects that would fit inside it. 16. Determine the surface area of a cube or pyramid.
8, 11A, 11B, 11C	<b>Reason about and solve one-variable equations and inequalities:</b> 8. Determine if a number substitution makes an inequality true or false. 11A, 11B, 11C. 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	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> Determine the greatest common factor of two double-digit numbers.

## Concepts and Applications / Progress Monitoring 10

Problems	Skills Assessed
1, 6, 9, 12, 17	<b>Understand ratio concepts and use ratio reasoning to solve problems:</b> 1. Determine the ratio of the first set of items to the second set of items. 6. Solve two-step problems involving multiplication and division. 9. Complete a ratio table. 12. Determine the rate of an object when given an amount and the total price. 17. Solve a problem that has a constant.
2A, 2B, 13	<b>Develop understanding of statistical variability and summarize and describe distributions:</b> 2A & 2B. Determine the mean and median of a set of numbers. 13. Determine the range, median, and maximum number of the data from a box plot.
3, 7, 10A, 10B, 14, 20	<b>Apply and extend previous understandings of numbers to the system of rational numbers:</b> 3. Determine the quadrants where ordered pairs are located. 7. Label positive and negative numbers on a number line. 10A & 10B. Given three vertices, determine a fourth vertex that would form a rectangle, and plot all vertices on a graph. 14. Solve problems of absolute value. 20. Write an inequality based on given problem information.
4A, 4B, 15, 19	<b>Apply and extend previous understandings of arithmetic to algebraic expressions:</b> 4A & 4B. Write algebraic expressions. 15. Determine the squared or cubed value of a single-digit whole number. 19. Write an equation based on given problem information.
5A, 5B, 16	<b>Solve real-world and mathematical problems involving area, surface area, and volume:</b> 5A & 5B. Determine the volume of an object and how many smaller objects that would fit inside it. 16. Determine the surface area of a cube or pyramid.
8, 11A, 11B, 11C	<b>Reason about and solve one-variable equations and inequalities:</b> 8. Determine if a number substitution makes an inequality true or false. 11A, 11B, 11C. 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	<b>Compute fluently with multi-digit numbers and find common factors and multiples:</b> Determine the greatest common factor of two double-digit numbers.

## Concepts and Applications / Progress Monitoring 11

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>

## Concepts and Applications / Progress Monitoring 12

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>2A &amp; 2B. 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>10A &amp; 10B. 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>4A &amp; 4B. 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>5A &amp; 5B. 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>11A, 11B, 11C. 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>