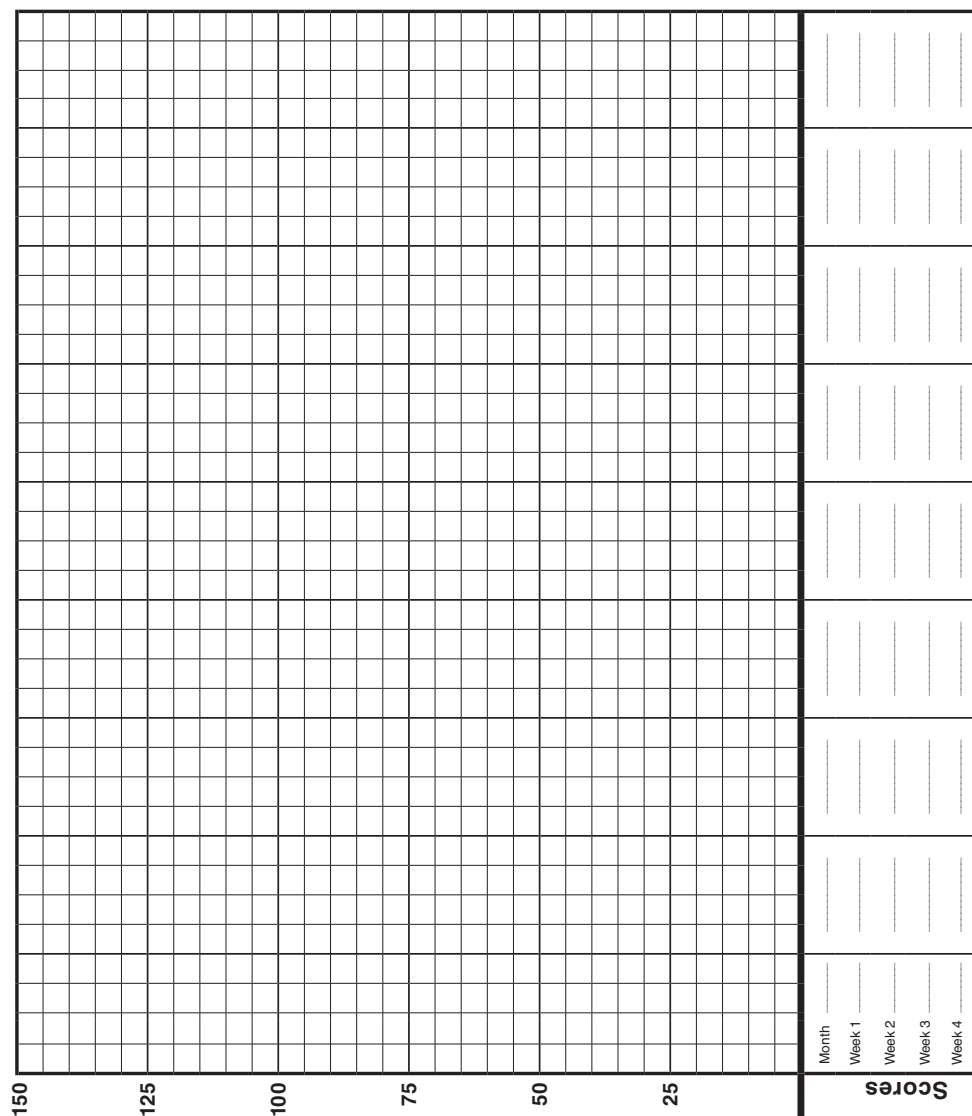


Concepts and Applications / Level 5

Name: _____ Student ID: _____

Teacher: _____ School: _____ School Year: _____



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Concepts and Applications / Progress Monitoring 1

Notes:

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
4	Convert like measurement units within a given measurement system: Using a provided conversion rate, convert measurement units and solve a multi-step addition problem.
5	Use equivalent fractions as a strategy to add and subtract fractions: Solve problems involving the addition of fractions with unlike denominators.
8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
9, 13	Understand concepts of volume and relate volume to multiplication: Determine the volume of an object.
10, 16	Apply and extend previous understandings of multiplication and division to multiply and divide fractions: 10. Multiply two fractions with unlike denominators. 16. Divide a fraction by a whole number.
11, 14	Perform operations with multi-digit whole numbers and with decimals to hundredths: 11. Solve a two-step problem that deals with addition and subtraction of money. 14. Solve a one-step problem that results in a decimal.

Notes:

Concepts and Applications / Progress Monitoring 2

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
9, 13	Understand concepts of volume and relate volume to multiplication: Determine the volume of an object.
10, 16	Apply and extend previous understandings of multiplication and division to multiply and divide fractions: 10. Multiply two fractions with unlike denominators. 16. Divide a fraction by a whole number.
11, 14	Perform operations with multi-digit whole numbers and with decimals to hundredths: 11. Solve a two-step problem that deals with addition and subtraction of money. 14. Solve a one-step problem that results in a decimal.

Concepts and Applications / Progress Monitoring 3

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
4	Convert like measurement units within a given measurement system: Using a provided conversion rate, convert measurement units and solve a multi-step addition problem.
5	Use equivalent fractions as a strategy to add and subtract fractions: Solve problems involving the addition of fractions with unlike denominators.
8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
9, 13	Understand concepts of volume and relate volume to multiplication: Determine the volume of an object.
10, 16	Apply and extend previous understandings of multiplication and division to multiply and divide fractions: 10. Multiply two fractions with unlike denominators. 16. Divide a fraction by a whole number.
11, 14	Perform operations with multi-digit whole numbers and with decimals to hundredths: 11. Solve a two-step problem that deals with addition and subtraction of money. 14. Solve a one-step problem that results in a decimal.

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Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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11, 14	Perform operations with multi-digit whole numbers and with decimals to hundredths: 11. Solve a two-step problem that deals with addition and subtraction of money. 14. Solve a one-step problem that results in a decimal.

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Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
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Concepts and Applications / Progress Monitoring 4

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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11, 14	Perform operations with multi-digit whole numbers and with decimals to hundredths: 11. Solve a two-step problem that deals with addition and subtraction of money. 14. Solve a one-step problem that results in a decimal.

Concepts and Applications / Progress Monitoring 5

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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Problems	Skills Assessed
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2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
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Concepts and Applications / Progress Monitoring 6

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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Concepts and Applications / Progress Monitoring 7

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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Concepts and Applications / Progress Monitoring 16

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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Concepts and Applications / Progress Monitoring 15

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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Concepts and Applications / Progress Monitoring 8

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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Concepts and Applications / Progress Monitoring 9

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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Concepts and Applications / Progress Monitoring 14

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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Concepts and Applications / Progress Monitoring 13

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
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Concepts and Applications / Progress Monitoring 10

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
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3, 12, 15	Write and interpret numerical expressions: 3. Interpret and solve numerical expressions. 12. Determine the order of operations of a given numerical expression. 15. Write numerical expressions when given written directions.
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8A, 8B	Analyze patterns and relationships: 8A. Complete a ratio table. 8B. Plot the points on a coordinate plane and make a line graph.
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10, 16	Apply and extend previous understandings of multiplication and division to multiply and divide fractions: 10. Multiply two fractions with unlike denominators. 16. Divide a fraction by a whole number.
11, 14	Perform operations with multi-digit whole numbers and with decimals to hundredths: 11. Solve a two-step problem that deals with addition and subtraction of money. 14. Solve a one-step problem that results in a decimal.

Concepts and Applications / Progress Monitoring 11

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
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Concepts and Applications / Progress Monitoring 12

Problems	Skills Assessed
1, 6	Understand the place value system: 1. Compare decimals to the thousandths place. 6. Round decimals to the nearest tenth, hundredth, and thousandth.
2, 7	Graph points on the coordinate plane to solve real-world and mathematical problems: 2. Plot and label ordered pairs. 7. Determine an ordered pair by graphing points on a coordinate plane to solve real-world and mathematical problems.
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