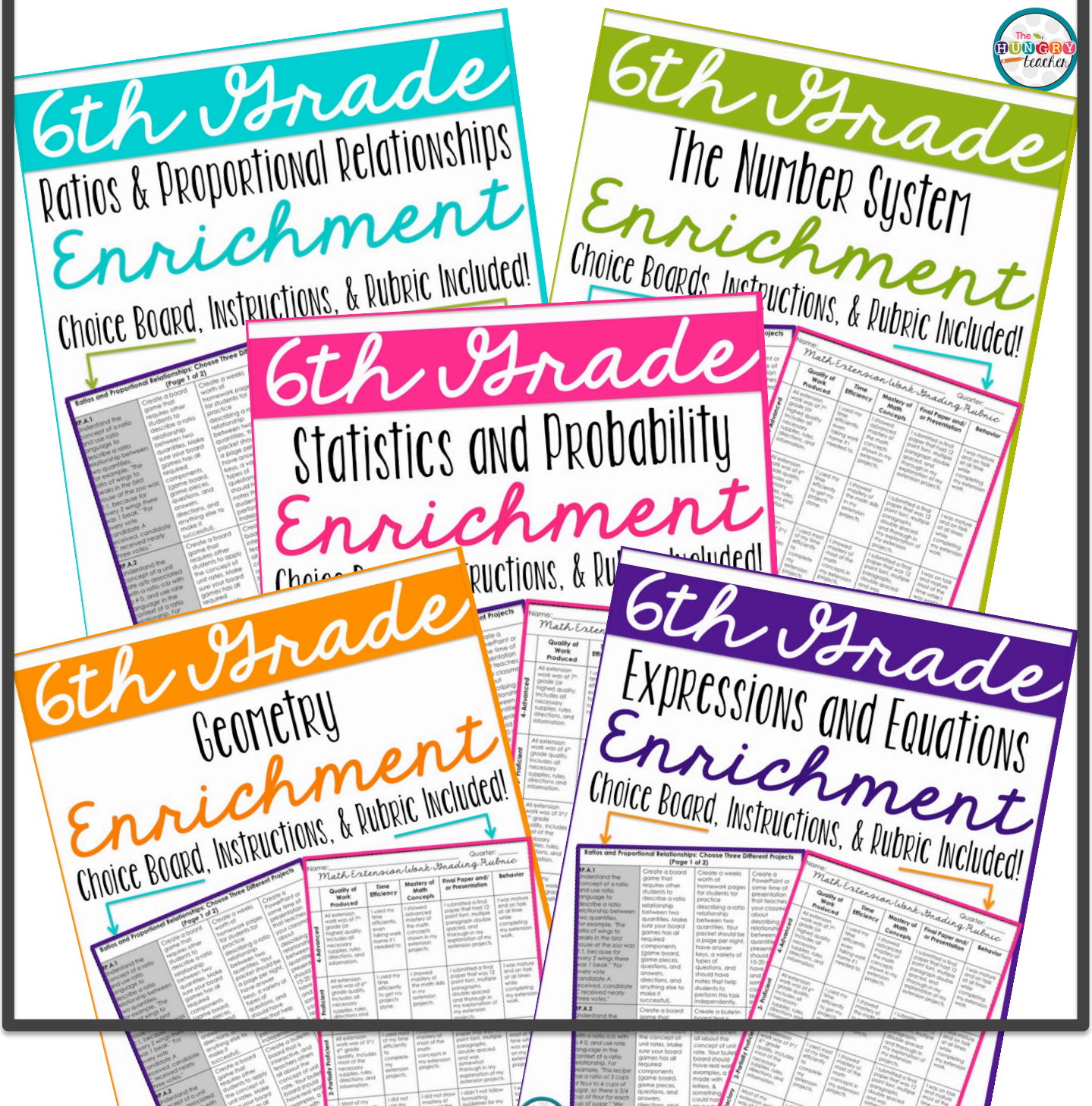
6th Grade

Enrichment Boards Bundle



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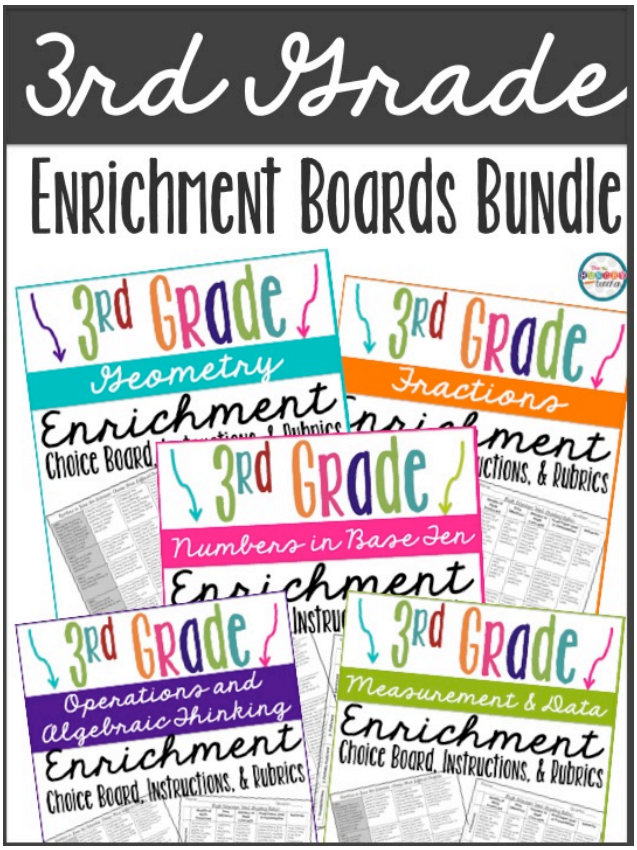
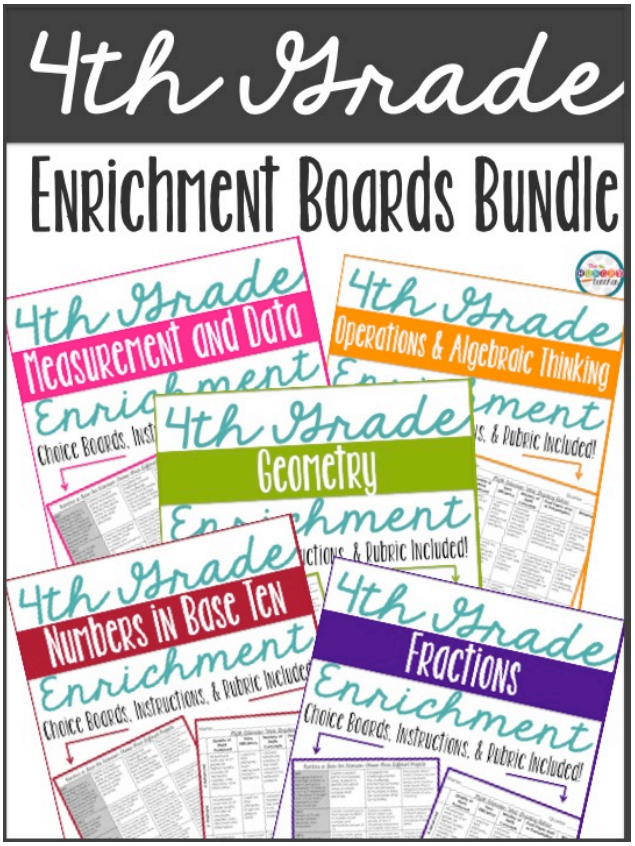
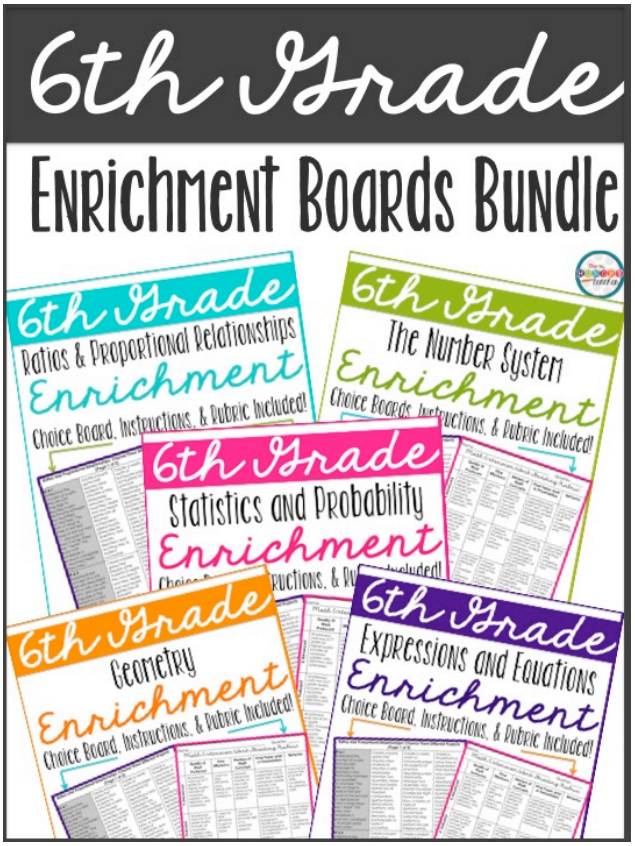




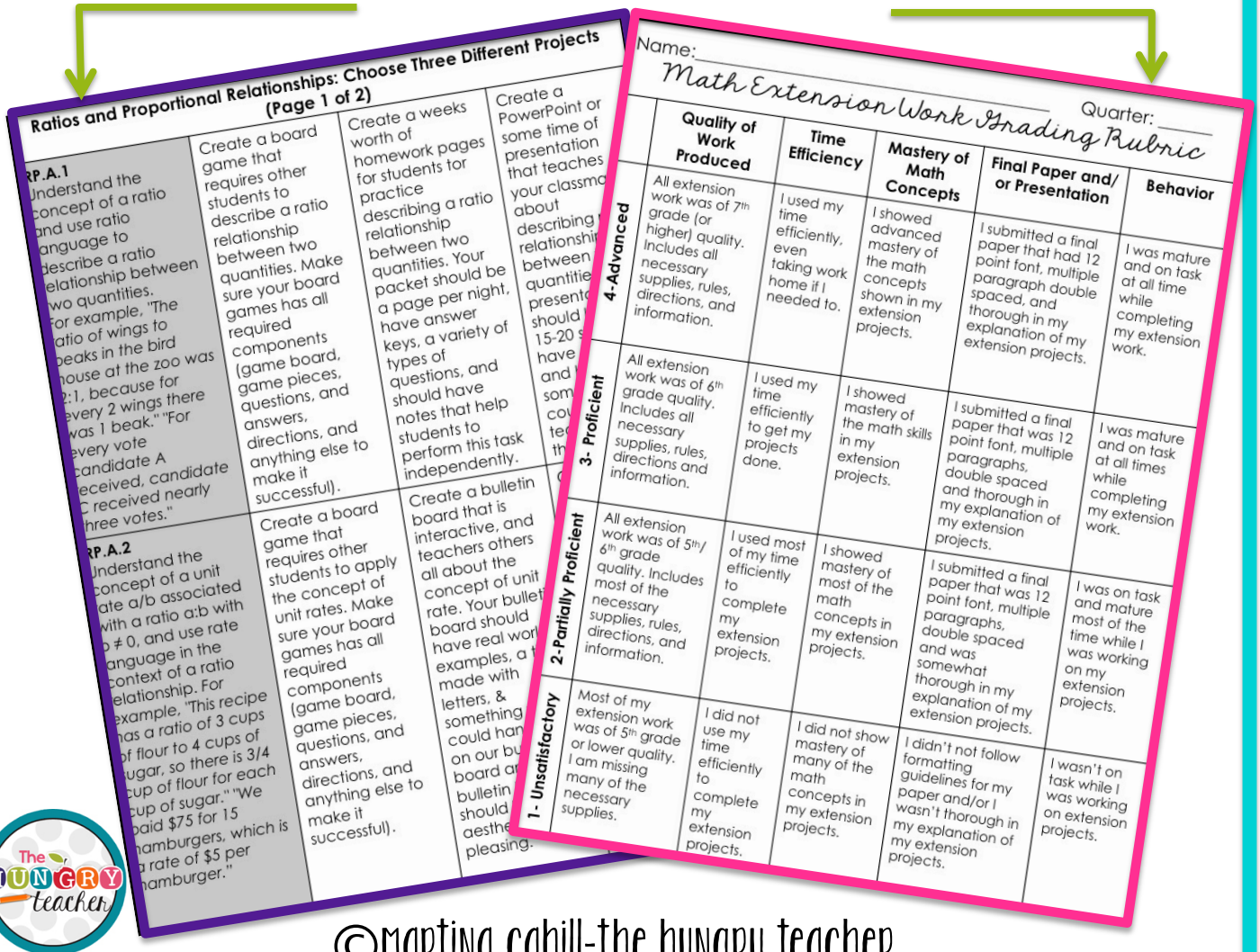


6th Grade

Ratios & Proportional Relationships

Enrichment

Choice Board, Instructions, & Rubric Included!



Ratios and Proportional Relationships: Choose Three Different Projects (Page 1 of 2)

RP.A.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."	Create a board game that requires other students to describe a ratio relationship between two quantities. Make sure your board games has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a weeks worth of homework pages for students tor practice describing a ratio relationship between two quantities. Your packet should be a page per night, have answer keys, a variety of types of questions, and should have notes that help students to perform this task independently.	Create a PowerPoint or some time of presentation that teaches your classmates about describing a relationship between quantities. Your presentation should be 15-20 slides and have
RP.A.2 Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0, and use rate language in the context of a ratio relationship. For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of sugar." "We paid $75 for 15 hamburgers, which is a rate of $5 per hamburger."	Create a board game that requires other students to apply the concept of unit rates. Make sure your board games has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a bulletin board that is interactive, and teachers others all about the concept of unit rate. Your bulletin board should have real world examples, a table made with letters, & something that could hang on our bulletin board and should be aesthetically pleasing.	

Name: _____ Quarter: _____

Math Extension Work Grading Rubric

	Quality of Work Produced	Time Efficiency	Mastery of Math Concepts	Final Paper and/ or Presentation	Behavior
4-Advanced	All extension work was of 7th grade (or higher) quality. Includes all necessary supplies, rules, directions, and information.	I used my time efficiently, even taking work home if I needed to.	I showed advanced mastery of the math concepts shown in my extension projects.	I submitted a final paper that had 12 point font, multiple paragraph double spaced, and thorough in my explanation of my extension projects.	I was mature and on task at all time while completing my extension work.
3- Proficient	All extension work was of 6th grade quality. Includes all necessary supplies, rules, directions and information.	I used my time efficiently to get my projects done.	I showed mastery of the math skills in my extension projects.	I submitted a final paper that was 12 point font, multiple paragraphs, double spaced and thorough in my explanation of my extension projects.	I was mature and on task at all times while completing my extension work.
2-Partially Proficient	All extension work was of 5th/ 6th grade quality. Includes most of the necessary supplies, rules, directions, and information.	I used most of my time efficiently to complete my extension projects.	I showed mastery of most of the math concepts in my extension projects.	I submitted a final paper that was 12 point font, multiple paragraphs, double spaced and was somewhat thorough in my explanation of my extension projects.	I was on task and mature most of the time while I was working on my extension projects.
1- Unsatisfactory	Most of my extension work was of 5th grade or lower quality. I am missing many of the necessary supplies.	I did not use my time efficiently to complete my extension projects.	I did not show mastery of many of the math concepts in my extension projects.	I didn't not follow formatting guidelines for my paper and/or I wasn't thorough in my explanation of my extension projects.	I wasn't on task while I was working on extension projects.

Name:_____ Quarter:_____

Ratios and Proportional Relationships

Extension Work
Sixth Grade

Congratulations! You are able to move onto extension work to extend your learning with Ratios and Proportional Relationships

For extension, you must commit to completing three different projects before the quarter ends.

Each project needs to be neat, organized, and aesthetically pleasing (that means it must look nice and colorful).

After you complete all three projects, you will need to TYPE A ONE PAGE PAPER (12 size font, double spaced) about the three projects you completed, what you learned, what you will do differently next quarter, and if given the opportunity again, why you should be able to complete extension again next quarter.

When you are done with all three projects, and your paper, please turn them in to me.

I will then grade them, based on the rubric attached to the back of this packet, and return them to you.

I can't wait to see what you create and learn in this process!

Ratios and Proportional Relationships: Choose Three Different Projects
(Page 1 of 2)

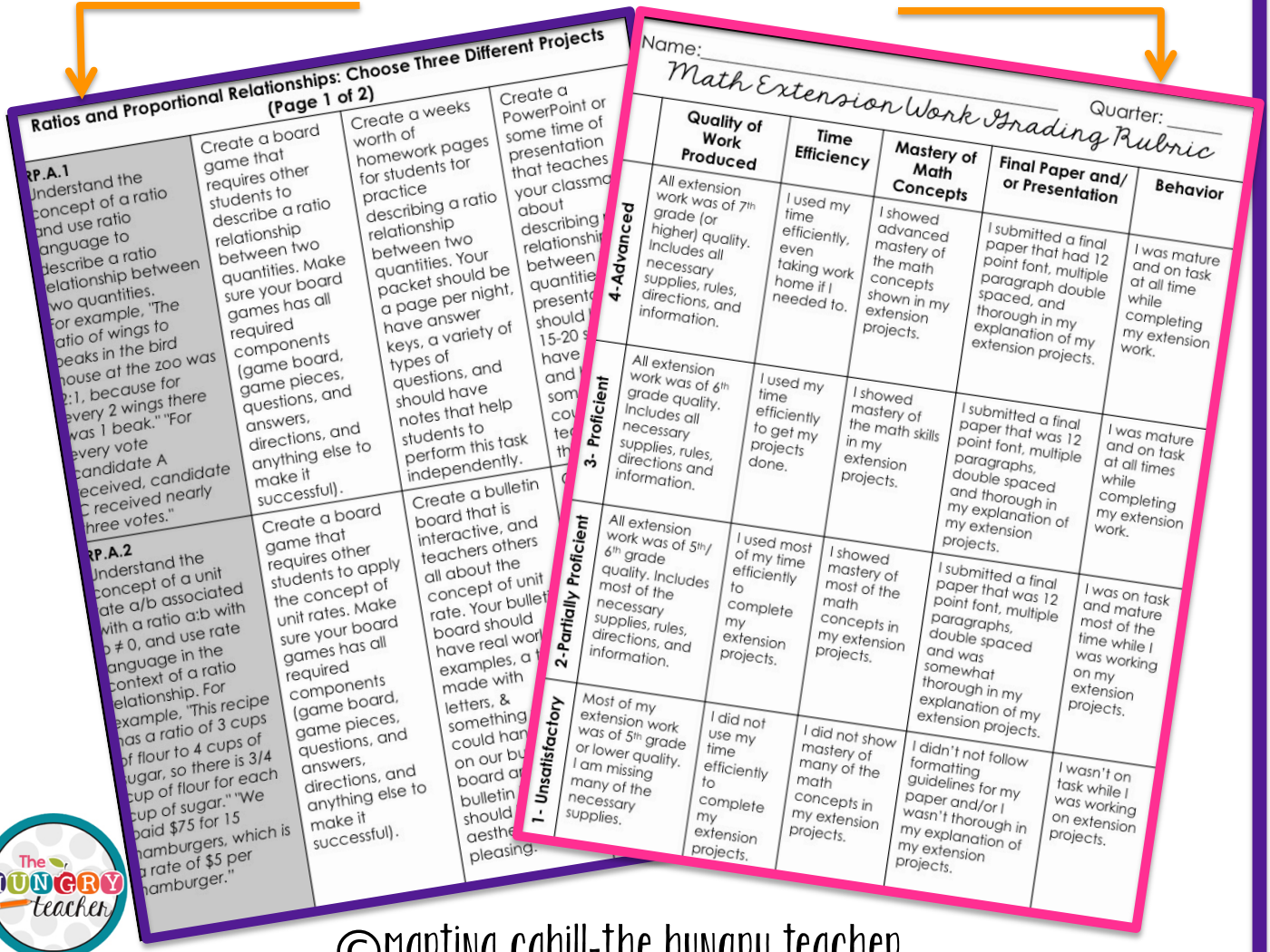
RP.A.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. *For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."*	Create a board game that requires other students to describe a ratio relationship between two quantities. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a weeks worth of homework pages for students to practice describing a ratio relationship between two quantities. Your packet should be a page per night, have answer keys, a variety of types of questions, and should have notes that help students to perform this task independently.	Create a PowerPoint or some time of presentation that teaches your classmates about describing a ratio relationship between two quantities. This presentation should be 5 slides, have a title slide, and be something that I could use to teach the class this skill.
RP.A.2 Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0, and use rate language in the context of a ratio relationship. *For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of sugar." "We paid $75 for 15 hamburgers, which is a rate of $5 per hamburger."*	Create a board game that requires other students to apply the concept of unit rate. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a bulletin board that is interactive, and teaches others all about the concept of unit rate. Your bulletin board should have real world examples, a title made with letters, & something that I could hang up on our bulletin board area. Your bulletin board should be aesthetically pleasing.	Create a weeks worth of homework pages for students tor unit rates. Your packet should be a page per night, have answer keys, a variety of types of questions, and should have notes that help students to perform this task independently.

6th Grade

Expressions and Equations

Enrichment

Choice Board, Instructions, & Rubric Included!



Ratios and Proportional Relationships: Choose Three Different Projects
(Page 1 of 2)

RP.A.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."	Create a board game that requires other students to describe a ratio relationship between two quantities. Make sure your board games has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a weeks worth of homework pages for students tor practice describing a ratio relationship between two quantities. Your packet should be a page per night, have answer keys, a variety of types of questions, and should have notes that help students to perform this task independently.	Create a PowerPoint or some time of presentation that teaches your classmo about describing relationshi between quantitie presento should 15-20 s have and som co te th
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Name:_____

Math Extension Work Grading Rubric

Quarter:_____

	Quality of Work Produced	Time Efficiency	Mastery of Math Concepts	Final Paper and/ or Presentation	Behavior
4-Advanced	All extension work was of 7th grade (or higher) quality. Includes all necessary supplies, rules, directions, and information.	I used my time efficiently, even taking work home if I needed to.	I showed advanced mastery of the math concepts shown in my extension projects.	I submitted a final paper that had 12 point font, multiple paragraph double spaced, and thorough in my explanation of my extension projects.	I was mature and on task at all time while completing my extension work.
3- Proficient	All extension work was of 6th grade quality. Includes all necessary supplies, rules, directions and information.	I used my time efficiently to get my projects done.	I showed mastery of the math skills in my extension projects.	I submitted a final paper that was 12 point font, multiple paragraphs, double spaced and thorough in my explanation of my extension projects.	I was mature and on task at all times while completing my extension work.
2-Partially Proficient	All extension work was of 5th/ 6th grade quality. Includes most of the necessary supplies, rules, directions, and information.	I used most of my time efficiently to complete my extension projects.	I showed mastery of most of the math concepts in my extension projects.	I submitted a final paper that was 12 point font, multiple paragraphs, double spaced and was somewhat thorough in my explanation of my extension projects.	I was on task and mature most of the time while I was working on my extension projects.
1- Unsatisfactory	Most of my extension work was of 5th grade or lower quality. I am missing many of the necessary supplies.	I did not use my time efficiently to complete my extension projects.	I did not show mastery of many of the math concepts in my extension projects.	I didn't not follow formatting guidelines for my paper and/or I wasn't thorough in my explanation of my extension projects.	I wasn't on task while I was working on extension projects.

Name:_____ Quarter:_____

Expressions and Equations

Extension Work
Sixth Grade

Congratulations! You are able to move onto extension work to extend your learning with Expressions and Equations.

For extension, you must commit to completing three different projects before the quarter ends.

Each project needs to be neat, organized, and aesthetically pleasing (that means it must look nice and colorful).

After you complete all three projects, you will need to TYPE A ONE PAGE PAPER (12 size font, double spaced) about the three projects you completed, what you learned, what you will do differently next quarter, and if given the opportunity again, why you should be able to complete extension again next quarter.

When you are done with all three projects, and your paper, please turn them in to me.

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I can't wait to see what you create and learn in this process!

Expressions and Equations: Choose Three Different Projects
(Page 1 of 5)

EE.A.1 Write and evaluate numerical expressions involving whole-number exponents.	Create a board game that requires other students to write and evaluate numerical expressions involving whole number exponents. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a bulletin board that teaches your classmates about how to write and evaluate numerical expressions involving whole number exponents. Your bulletin board should have real world examples, a title made with letters, and something that could hang up on a bulletin board area. Your bulletin board should be aesthetically pleasing.	Write a short children's book with illustrations and characters that teaches students all about whole number exponents. Your book should have quality illustrations, a plot and should show your understanding of exponents. Your book should have a front and back cover and be about 10-20 pages long.
EE.A.2 Write, read, and evaluate expressions in which letters stand for numbers.	Create a board game that requires other students to write, read, and evaluate expressions in which letters stand for numbers. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a chart paper that clearly, neatly, and mathematically explains how to write, read, and evaluate expressions in which numbers stand for letters. This should be an aesthetically pleasing chart paper so it can be hung up in our classroom. Create a simple lesson plan, to go along with this chart, that you or I could use to teach a lesson by using the chart paper.	Create a weeks worth of homework pages for students to practice writing, reading, and evaluating expressions in which letters stand for numbers. Your packet should be a page per night, have answer keys, a variety of types of questions, and should have notes that help students to perform this task independently.

Expressions and Equations: Choose Three Different Projects
(Page 2 of 5)

EE.A.3 Apply the properties of operations to generate equivalent expressions. *For example, apply the distributive property to the expression 3 (2 + x) to produce the equivalent expression 6 + 3x; apply the distributive property to the expression 24x + 18y to produce the equivalent expression 6 (4x + 3y); apply properties of operations to y + y + y to produce the equivalent expression 3y.*	Create a board game that requires other students to apply properties of operations to generate equivalent expressions. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful). Examples of what I mean: ←	Create a board game that requires other students to take equations and simplify their form into the distributive property and/or to take problems that exemplify the distributive property and then produce equivalent expressions. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a chart paper that clearly, neatly, and mathematically explains the distributive property and how to create equivalent expressions to and from the distributive property. This should be aesthetically pleasing chart paper so it can be hung up in our classroom. Create a simple lesson plan, to go along with this chart, that you or I could use to teach a lesson by using the chart paper.
EE.A.4 Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless which value is substituted into them).	Create a board game that requires other students to determine whether or not two expressions are different expressions are equivalent. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Create a board game that requires other students to simplify expressions by combining like terms. Make sure your board game has all required components (game board, game pieces, questions, and answers, directions, and anything else to make it successful).	Crete a lesson plan/ presentation that teaches your classmates how to identify when two like expression are equivalent and how to simplify expressions by combining like terms. Your lesson plan should include how you are going to assess if your learners learned the material and how you will make sure they understand this concept.

Name:_____ Quarter: _____

Math Extension Work Grading Rubric

	Quality of Work Produced	Time Efficiency	Mastery of Math Concepts	Final Paper and/ or Presentation	Behavior
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