Backwards Design Template
Name of lesson/ unit: Fractions
Grade Level: k 1 2 3 4 5 6 7 8
9 10 11 12 college
Subject Area: OELA OMath OScience OTechnology
OSocial Studies/ History O Fine Arts
OPE/Health OForeign Languages

Links to Standards: These links will take you to a web page

CCSS ELA CCSS Math CCSS History/SS Next Gen Science Fine Arts PE/Health Computer Science/Technology Foreign Languages

Stage 1-Desired Results

Content Standard(s):

Copy and paste them here:

CCSS.Math.Content.7.RP.A.1 Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units. For example, if a person walks 1/2 mile in each 1/4 hour, compute the unit rate as the complex fraction 1/2/1/4 miles per hour, equivalently 2 miles per hour

Understanding(s): Essential Question(s): Students will understand that Ratios and fractions can be utilized in everyday situations in real life, such as telling time, measuring distance, and cooking. Essential Question(s): Other Notes: How are fractions and ratios used in my daily life? Other Notes: Stage 2-Acceptable Evidence Performance Task(s) Other Evidence and Formative How do the students prove they understand the concept(s)? Other Notes: What are the task? Other Evidence and Formative Model understanding of measurement tools Observations Model examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. C. Calculate and model scenarios of ratios and fractions in time.			
Students will understand that Ratios and fractions can be utilized in everyday situations in real life, such as telling time, measuring distance, and cooking. How are fractions and ratios used in my daily life? Other Notes: Stage 2-Acceptable Evidence Performance Task(s) Other Evidence and Formative Assessment works: Worksheets Other Evidence and Formative Assessment works: Worksheets Observations Model understanding of measurement tools Other Evidence and Formative Assessment works: Model examples of equivalent ratios and fractions Dialy work Calculate examples of equivalent ratios and fractions Daily work Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. And rubric. 2. Calculate and model scenarios of ratios and fractions in time. Introduce terms/ vocabulary, measurement tools, and rubric.	Understanding(s):	Essential Question(s):	
Ratios and fractions can be utilized in everyday situations in real life, such as telling time, measuring distance, and cooking. daily life? Other Notes: daily life? Other Notes: Stage 2-Acceptable Evidence Performance Task(s) Other Evidence and Formative How do the students prove they understand the concept(s)? Other Evidence and Formative Model understanding of measurement tools Assessment works: Model examples of equivalent ratios and fractions Dispervations Project Daily work Exit ticket Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Students will understand that	How are fractions and ratios used in my	
everyday situations in real life, such as telling time, measuring distance, and cooking. Image: Cooking in the image: Cooking in t	Ratios and fractions can be utilized in	dailv life?	
telling time, measuring distance, and cooking. Other Notes: Other Notes: Other Notes: Other Notes: Other Evidence Other Evidence and Formative Assessment works: Model understand the concept(s)? What are the tasks? Model understanding of measurement tools Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time. 1	everyday situations in real life, such as		
cooking. Other Notes: Other Notes: Stage 2-Acceptable Evidence Performance Task(s) How do the students prove they understand the concept(s)? What are the tasks? Other Evidence and Formative Assessment works: Model understanding of measurement tools Worksheets Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time. 1	telling time, measuring distance, and		
Other Notes: Stage 2-Acceptable Evidence Performance Task(s) How do the students prove they understand the concept(s)? What are the tasks? Model understanding of measurement tools Model examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	cooking.		
Other Notes: Stage 2-Acceptable Evidence Performance Task(s) How do the students prove they understand the concept(s)? What are the tasks? Model understanding of measurement tools Model examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.			
Other Notes: Stage 2-Acceptable Evidence Performance Task(s) How do the students prove they understand the concept(s)? Other Evidence and Formative Assessment works: Worksheets Observations Model understanding of measurement tools Worksheets Model examples of equivalent ratios and fractions Daily work Calculate examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Plan Learning Plan Learning Plan			
Other Notes: Stage 2-Acceptable Evidence Performance Task(s) Other Evidence and Formative How do the students prove they understand the concept(s)? Other Evidence and Formative Model understanding of measurement tools Other Evidence and Formative Assessment works: Model understanding of measurement tools Worksheets Observations Model examples of equivalent ratios and fractions Project Daily work Calculate examples of equivalent ratios and fractions Exit ticket Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Exit ticket Exit ticket Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 1. Introduce terms/ vocabulary, measurement tools, and fractions in time. Colsulate and model scenarios of ratios and fractions in time.			
Stage 2-Acceptable Evidence Performance Task(s) Other Evidence and Formative How do the students prove they understand the concept(s)? Assessment works: What are the tasks? Worksheets Model understanding of measurement tools Observations Model examples of equivalent ratios and fractions Project Daily work Exit ticket Calculate examples of equivalent ratios and fractions Exit ticket Apply models and calculations to real life story problems Project Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Plan Learning Plan Learning Plan Learning Plan Stage 3- Learning Plan	Other Notes:		
Stage 2-Acceptable Evidence Performance Task(s) How do the students prove they understand the concept(s)? Other Evidence and Formative Assessment works: What are the tasks? Worksheets Model understanding of measurement tools Diservations Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Daily work Exit ticket Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Plan Learning Plan Learning Plan Learning Plan Learning Plan			
Stage 2-Acceptable Evidence Other Evidence and Formative Mode students prove they understand the concept(s)? What are the tasks? Other Evidence and Formative Model understanding of measurement tools Assessment works: Model examples of equivalent ratios and fractions Diservations Calculate examples of equivalent ratios and fractions Project Daily work Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time. Plan			
Stage 2-Acceptable Evidence Performance Task(s) How do the students prove they understand the concept(s)? Other Evidence and Formative What are the tasks? Assessment works: Model understanding of measurement tools Observations Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Apply models and calculations to real life story problems District Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.			
Performance Task(s) Other Evidence and Formative How do the students prove they understand the concept(s)? Assessment works: What are the tasks? Worksheets Model understanding of measurement tools Doservations Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Stage 2-Acceptable Evidence		
How do the students prove they understand the concept(s)? Assessment works: What are the tasks? Worksheets Model understanding of measurement tools Project Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Performance Task(s)	Other Evidence and Formative	
concept(s)? This content is works? What are the tasks? Worksheets Model understanding of measurement tools Project Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	How do the students prove they understand the	Assessment works	
What are the tasks? Worksheets Model understanding of measurement tools Observations Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Daily work Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	concept(s)?	Workshoots	
Model understanding of measurement tools Observations Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Project Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	What are the tasks?	Obectivations	
Model examples of equivalent ratios and fractions Project Calculate examples of equivalent ratios and fractions Daily work Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Model understanding of measurement tools	Project	
Calculate examples of equivalent ratios and fractions Exit ticket Apply models and calculations to real life story problems Exit ticket Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Exit ticket Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Model examples of equivalent ratios and fractions		
Calculate examples of equivalent ratios and fractions Apply models and calculations to real life story problems Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.		Exit ticket	
Apply models and calculations to real life story problems Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Calculate examples of equivalent ratios and		
Apply models and calculations to real life story problems Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	tractions		
problems Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Apply models and calculations to real life story		
Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	problems		
Rubric: Create a rubric at http://rubistar.4teachers.org/ Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.			
Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Rubric: Create a rubric at http://rubistar.4teachers.org/		
Copy the url to the created rubric and paste it here: Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.			
Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Copy the url to the created rubric and paste it here:		
Stage 3- Learning Plan Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.			
Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Stage 3- Learning Plan		
 Learning Activities: Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time. 			
Type your lesson plan here: 1. Introduce terms/ vocabulary, measurement tools, and rubric. 2. Calculate and model scenarios of ratios and fractions in time.	Learning Activities:		
 Introduce terms/ vocabulary, measurement tools, and rubric. Calculate and model scenarios of ratios and fractions in time. 	Type your lesson plan here:		
2. Calculate and model scenarios of ratios and fractions in time.	1. Introduce terms/ vocabulary, measurement tools, and rubric.		
	2. Calculate and model scenarios of ratios and fractions in time.		
3. Calculate and model scenarios of ratios and fractions in measurement.			
4. Calculate and model scenarios of ratios and fractions in cooking.			
5. Students will complete tasks/projects to demonstrate understanding of ratios			
and fractions.			

Adapted from Grant Wiggins and Jay McTighe-Understanding by Design

Lesson Contributors: Please type your names and your district's name: Becky Gavin, Special Education Teacher Sheridan Grade School, Erin Laurence, Special Education Deer Park, and Nicole Znaniecki, Special Education Serena Grade School

Directions: Save this pdf and email it to <u>trossman@roe35.org</u> Or <u>pwasilewski@roe35.org</u>

Thank you for sharing!