Lesson Plan Template Date: _____

Grado:6		Subject: Math	
Materials: Pencil. Paper		Technology Needed: Power Point Computer Projector	
Instructional Strategies:		Guided Practices and Concrete Application:	
 Direct Guide Socration Learn Lectur Techn Other 	Instruction Peer teaching/collaboration/ cooperative learning cooperative learning tic Seminar Visuals/Graphic organizers ing Centers PBL re Discussion/Debate nology integration Modeling	 Large group activity Hands-on Independent activity Technology integration Pairing/collaboration Imitation/Repeat/Mimic Simulations/Scenarios Other (list) Explain: 	
Standard(s) 6.NS.1 Use visual fraction models and equations to interpret and compute quotients of fractions. Use models and equations to solve word problems involving division of fractions by fractions.		Differentiation Below Proficiency: Students who are below proficient can ask questions when needed. I will provide a notes sheet where they can fill in the blank words and practice note taking. There is a worksheet if they need review before diving into the dividing mixed numbers. Above Proficiency:	
Objective(s) Students can divide mixed numbers. Students can divide mixed numbers and simplify. Bloom's Taxonomy Cognitive Level: Solve, calculate		Above Proficiency students will work on their own independently and may ask questions when needed. There is a worksheet provided with next level questions. Approaching/Emerging Proficiency: Students will work independently and may ask questions when needed. Modalities/Learning Preferences: Visual, hands on, auditory	
Classroom Management- (grouping(s), movement/transitions, etc.) Students will transition into the activity. They can work together if they like, or they can work independently. Students know to work at a quiet respectful voice level.		Behavior Expectations- (systems, strategies, procedures specific to the lesson, rules and expectations, etc.) Students understand their behavioral expectations.	
Minutes	Procedures		
0	Set-up/Prep: Power point and work sheet done.		
5	Engage: (opening activity/ anticipatory Set – access prior learning / stimulate interest /generate questions, etc.) Think about this question. If you had 4 ½ muffins and you wanted to split it among 3 of your friend. How much of the cupcakes would each friend get? What do you think we will be doing today based on that question? Let's estimate it. I know I can give each friend one whole cupcake. Then I can split the last whole cupcake into three even parts to give each of my friends 1/3 of the cupcake. So, we could estimate that each of my friends will get at least 1 1/3 cupcakes.		
20-25	Explain: (concepts, procedures, vocabulary, etc.) Today we are going to be talking about dividing mixed nur and dividing fractions. Everything we have learned in the going to be working on our note taking. Dividing fractions look back at them when we need some help. So please gra So lets look at the first step of dividing mixed numbers 1. Turn them into improper fractions. Let's look at dividing these mixed fractions. 1+5, 2 , 2 , 23 , 3 , 2 , 3 , 3 , 3 , 3 , 3 , 3 , 3 , 3	mbers. We have just completed going over multiplying mixed numbers past couple weeks carries over to what we are doing today. We are also has a lot of steps so it is important that we know the steps and we can ab a piece of paper and a pencil.	

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		3 2	
	$\begin{array}{c} +1\\ 8-\\ \times 4\\ \end{array} \div \begin{pmatrix} +1\\ \times 2\\ \times 2\\ \end{pmatrix} = \begin{array}{c} 33\\ +1\\ \end{array} \div \begin{array}{c} 32\\ +1\\ \end{array} \div \begin{array}{c} 2\\ 2\\ \end{array} = \begin{array}{c} -2\\ +2\\ \end{array}$ Now I want you to try and do these ones on your own.	X 3 6	
	$\frac{+1}{2-6} \div \frac{3}{4} = \frac{13}{3} \times \frac{42}{3} = \frac{26}{9} = 2\frac{8}{7} \frac{13}{5}$ Now lets looks at a word Problem.	$\frac{4}{5} \div \frac{1}{2 \times 8} = \frac{34}{5} \div \frac{17}{8} = \frac{34}{5} \times \frac{8}{5} = \frac{16}{5} = 3\frac{1}{5}$	
	• One serving of tortilla soup is $1\frac{3}{3}$ cups. A cups of soup. Is there enough to serve 35 people? • $50\frac{1}{23} = \frac{50}{1} + \frac{5}{3}$	$sestaurant cook makes 50 = \frac{30}{1} = 30 servings$ No not enough	
15-20	Explore: (independent, concreate practice/application wit experiences, reflective questions- probing or clarifying qu Students will work on the Dividing Mixed Numbers Maze. next day.	h relevant learning task -connections from content to real-life estions) If they do Not finish, then they will bring it back and may finish the	
2	Review (wrap up and transition to next activity): Remind students that if they want to bring the maze hom work on it.	e, they can finish it or they can bring it back to class the next day to	
Formative Assessment: (linked to objectives, during learning) Summ • Thumb up of they got the content down and understand it completely. Quiz • Thumbs to the side if they need more practice. Quiz • Thumbs down if they are completely lost. It is a second sec		Summative Assessment (linked back to objectives, END of learning) Quiz	
Reflection (What went well? What did the students learn? How do you know? What changes would you make?): It went well. The students were engaged for most all the lesson. Every student participated in some way which was great to see. The explain part of the lesson did take more time than I initially thought but that was ok because they stayed engaged. I would have maybe made this a two-day lesson so I could have been there for more of the independent piece. I would have taken those students who needed some extra practice to the back table in a group to work on things together before being confident that they could compete problems on their own.			

Sheet 2

Name: —

Dividing Fraction Maze

Mixed Numbers

Begin at "Start" and find your way to the "End" by choosing the correct fraction (in simplest form). Color each box and arrow to mark your path.

WARNING: There are lots of paths to get to the end but only one is correct!

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Notes Sheet	Name:
Step 1 – Turn the number into an fraction	۱.
Step 2 – the first fraction the	
Step 3 – Switch the sign to	
Step 4 – the second fraction to the	
Step 5 – if possible.	
Step 6 – Multiply	
Step 7 – Turn into form.	
Step 8 – Ask yourself "	?"

Sheet 1: Review

Name: _____

Turn these into improper fractions (Remember the fishhook!).

$$4\frac{2}{5} \qquad \qquad 6\frac{1}{3}$$

Multiply these fractions.

$$\frac{2}{5} \times \frac{15}{4} \qquad \qquad \frac{5}{6} \times \frac{3}{10}$$

Multiply these mixed numbers.

$$3\frac{1}{2} \times 6 \qquad \qquad 4\frac{2}{7} \times 1\frac{2}{3}$$

Divide these fractions (Keep, Switch, Flip).

$$\frac{3}{4} \div \frac{1}{2} \qquad \qquad \frac{5}{9} \div \frac{1}{3}$$

Divide these mixed numbers (Follow the steps).

$$6 \div 1\frac{1}{3}$$
 $2\frac{2}{10} \div 2\frac{1}{5}$

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Sheet 3: Try these!

Name: _____

Evaluate the expression (Remember order of operations).

$$4\frac{3}{8} \div \frac{3}{4} \times \frac{4}{7}$$

$$9\frac{1}{6} \div 5 + 3\frac{1}{3}$$

$$5\frac{5}{6} \div 3\frac{3}{4} - \frac{2}{9}$$

 $1\frac{9}{11} \times 4\frac{7}{12} \div \frac{2}{3}$