

## Fraction Operations Grid

<p><b>Level 5: Independent Exploration</b> I CAN apply my understanding of fractions to problems requiring proportional thinking and ratio. I CAN analyze data and draw conclusions based on a real world situation.</p>	<p><b>5A- <u>Olympic Sprinting activity</u> and extension exploration with sport of students' choice</b> <b>Need:</b> iPad or Computer, Olympic Sprinting print out from bin <b>Assessment:</b> Group presentation of results from student's sport choice</p>			
<p><b>Level 4: Synthesis and Connection</b> I can combine what I have learned about fraction operations by analyzing and modifying a family recipe.</p>	<p><b>4A- Fraction recipe modification</b> <b>Need:</b> Family recipe (or one you find online), poster paper, iPad <b>Assessment:</b> Presentation of recipe modification recorded on iPad</p>			
<p><b>Level 3: Compare and Contrast, explain, and investigate</b> I CAN explain how I arrived at an answer and compare and contrast fraction operations. I CAN investigate the effect of multiplication and division on fractions.</p>	<p><b>3A- <u>Fraction Challenge</u></b> <b>Need:</b> Performance task from bin <b>Assessment:</b> Student correctly performs operations and can explain their reasoning to teacher</p>	<p><b>3B- Study Island Checkpoint Assessment</b> <b>Need:</b> iPad or computer <b>Score:</b> _____ <b>85% mastery must be achieved. If it is not achieved after 3 tries, additional review activities must be completed</b></p>		
<p><b>Level 2: Apply and Demonstrate</b> I CAN apply my understanding of fraction operations to problems that require algebraic thinking and may have multiple solutions. I CAN demonstrate an understanding of fraction multiplication and division using visual models.</p>	<p><b>2A- Bigger or Smaller exploration with Fraction multiplication</b> <b>Need:</b> Worksheet from bin, iPad, Video recording and sharing (submit in classroom) <b>Assessment:</b> Oral justification of answers recorded on video</p>	<p><b><u>2B- Missing Pieces algebraic thinking questions</u></b> <b>Need:</b> Worksheet from bin <b>Assessment:</b> Correct completion of work</p>	<p><b><u>2C- Visual Models of multiplication and division</u></b> <b>Need:</b> Poster paper, reference tools including iPad, Math expressions book, peers <b>Assessment:</b> Discussion of visual models</p>	
<p><b>Level 1 Define and Compute</b> I CAN define terms related to fractions and perform basic calculations with fractions including adding, subtracting, multiplying, and dividing fractions and mixed numbers with regrouping and simplification</p>	<p><b>1A- Khan Academy practice activities</b> <b>Need:</b> Computer or iPad, <a href="#">Practice activities assigned in KA</a> <b>Assessment:</b> Progress in Khan academy- Check with Mrs. Ott</p>	<p><b><u>1B- Vocabulary Squares</u></b> <b>Need:</b> One vocabulary square per word (in bin), Dictionary <b>Assessment:</b> <a href="#">Quick quiz matching definitions with terms</a></p>	<p><b>1C- Computations with fractions</b> <b>Need:</b> <a href="#">CSI Fractions Packet</a> in bin <b>Assessment:</b> Completion of packet with correct criminal identified and all work shown</p>	<p><b><u>1D- Word problems with fractions</u></b> <b>Need:</b> Word problem worksheet in bin <b>Assessment:</b> Quick Quiz with previously unseen word problem</p>