

Fraction Operations Grid

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