

Video Clips by Chapter

Chapter and Page Number	Video Clip	Title	Grade/Teacher
Chapter 1			
14	1.1	$16 \times \frac{2}{8}$: Why Number Talks?	Grade 5/Alexander
22	1.2	$4 \times \frac{1}{2}$: Establishing a Safe Learning Community	Grade 5/Alexander
36	1.3	Placing 0.89 on the Number Line: Number Talks and the Standards for Mathematical Practice	Grade 4/Dominick
Chapter 2			
42	2.1	Using Hand Signals and Wait Time	Grade 6/Kretschmar
45	2.2	$1\frac{1}{2} \times \frac{2}{5}$: Using Turn and Talk with a Number Talk	Grade 6/Kretschmar
56	2.3	$\frac{1}{2} + \frac{7}{8}$: Thinking About Efficient Strategies	Grade 4/Parrish

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Chapter and Page Number	Video Clip	Title	Grade/Teacher
Chapter 4			
74	4.1	What is $\frac{3}{4}$ of 12? Using a Story Context	Grade 3/St. Clair Rhodes
84	4.2	The Fraction Kit: A Conversation About Equivalence	Grade 3/St. Clair Rhodes
107	4.3	Comparing $\frac{24}{50}$ and $\frac{21}{40}$	Grade 4/Dominick
Chapter 5			
119	5.1	$\frac{1}{4} \times \frac{1}{3}$: Connecting Fractions to Percentages	Grade 5/Alexander
127	5.2	Placing 0.9, 0.13, 0.255 on the Number Line: Connecting Fractions to Decimals	Grade 6/Kretschmar
Chapter 6			
138	6.1	$\frac{1}{2} + \frac{5}{6}$: Developing Addition Strategies with Fractions	Grade 4/Parrish
149	6.2	Are the Addends Equal to 1? Using Area Models with Addition of Fractions	Grade 3/St. Clair Rhodes
169	6.3	$\frac{1}{2} + \frac{1}{2}$, $\frac{1}{2} + \frac{3}{4}$: Developing Addition Strategies with Fractions	Grade 4/Parrish
Chapter 7			
189	7.1	$\frac{3}{4} - \frac{3}{8}$: Developing Subtraction Strategies with Fractions	Grade 4/Parrish

Chapter and Page Number	Video Clip	Title	Grade/Teacher
Chapter 8			
227	8.1	$\frac{1}{4} \times \frac{1}{3}$: Developing Multiplication Strategies with Fractions	Grade 5/Alexander
231	8.2	$\frac{1}{2}$ of 12, $\frac{1}{4}$ of 12: Developing Multiplication Strategies with Fractions	Grade 3/St. Clair Rhodes
247	8.3	$1\frac{1}{3} \times \frac{3}{4}$: Developing Multiplication Strategies with Fractions	Grade 6/Kretschmar
265	8.4	Doubling and Halving to Solve $\frac{1}{4} \times \frac{2}{3}$	Grade 5/Alexander
Chapter 9			
281	9.1	$1 \div \frac{3}{8}$: Developing Division Strategies with Fractions	Grade 6/Kretschmar
299	9.2	$6 \div 3, 3 \div 1\frac{1}{2}, 1\frac{1}{2} \div \frac{3}{4}$: Proportional Reasoning String	Grade 6 /Kretschmar

Video Clips by Grade, Including Demographics

Lighthouse Community Charter School



The student body at Lighthouse Community Charter School, a K–12 school in Oakland, California, comprises 81 percent Hispanic, 9 percent African American, 5 percent Multiethnic, 3 percent Asian/Pacific Islander, 1 percent Middle Eastern, and 1 percent Caucasian. Eighty-one percent of students are English learners. Eighty-six percent of the students receive free or reduced price lunch.



South Shades Crest Elementary School

The student body at South Shades Crest Elementary School, a K–4 school in Hoover, Alabama, comprises 57 percent Caucasian, 28 percent African American, 8 percent Asian, 6 percent Hispanic, and less than 1 percent American Indian/Multiethnic/Pacific Islander/Other. Twenty-four percent of the students receive free or reduced price lunch.


Vincent Elementary School

The student body at Vincent Elementary School, a K–5 school in Vincent, Alabama, comprises 75 percent Caucasian, 23 percent African American, 2 percent Hispanic, and less than 1 percent Asian. Sixty percent of the students receive free or reduced price lunch.

Grade	Teacher	Video Clips
3	 <p>Ms. St. Clair Rhodes is a Nationally Board Certified Teacher and has been teaching elementary grade children for twenty-seven years. She is currently the mathematics coach at South Shades Crest Elementary. She believes that all children can learn, and she enjoys helping students develop a love of learning and a passion for mathematics.</p>	<p>4.1 What is $\frac{3}{4}$ of 12? Using a Story Context</p> <p>4.2 The Fraction Kit: A Conversation About Equivalence</p> <p>6.2 Are the Addends Equal to 1? Using Area Models with Addition of Fractions</p> <p>8.2 $\frac{1}{2}$ of 12, $\frac{1}{4}$ of 12: Developing Multiplication Strategies with Fractions</p>
4	 <p>Dr. Parrish is the author of <i>Number Talks: Whole Number Computation</i> and coauthor of <i>Number Talks: Fractions, Decimals, and Percentages</i>. She is thrilled to be a guest teacher in Ms. Barry's class and is always amazed at the mathematical thinking of students.</p>	<p>2.3 $\frac{1}{2} + \frac{7}{8}$: Thinking About Efficient Strategies</p> <p>6.1 $\frac{1}{2} + \frac{5}{6}$: Developing Addition Strategies with Fractions</p> <p>6.3 $\frac{1}{2} + \frac{1}{2}$, $\frac{1}{2} + \frac{3}{4}$: Developing Addition Strategies with Fractions</p> <p>7.1 $\frac{3}{4} - \frac{3}{8}$: Developing Subtraction Strategies with Fractions</p>

Grade	Teacher	Video Clips
4	 <p data-bbox="287 583 748 777">Dr. Dominick is coauthor of <i>Number Talks: Fractions, Decimals, and Percentages</i> and is excited to be a guest teacher in Ms. Barry's class. She loves being part of a classroom community where students are excited about learning mathematics.</p>	<p data-bbox="811 248 1243 354">1.3 Placing 0.89 on the Number Line: Number Talks and the Standards for Mathematical Practice</p> <p data-bbox="811 363 1082 402">4.3 Comparing $\frac{24}{50}$ and $\frac{21}{40}$</p>
5	 <p data-bbox="287 1153 733 1453">Ms. Alexander has been in education for ten years; she spent seven years teaching fifth grade and two years teaching fourth grade. She is currently a mathematics coach at Vincent Elementary School in Vincent, Alabama. She believes that all children deserve the opportunity to understand why math makes sense and to share their thinking.</p>	<p data-bbox="811 818 1153 857">1.1 $16 \times \frac{2}{8}$: Why Number Talks?</p> <p data-bbox="811 857 1225 927">1.2 $4 \times \frac{1}{2}$: Establishing a Safe Learning Community</p> <p data-bbox="811 927 1176 998">5.1 $\frac{1}{4} \times \frac{1}{3}$: Connecting Fractions to Percentages</p> <p data-bbox="811 998 1200 1086">8.1 $\frac{1}{4} \times \frac{1}{3}$: Developing Multiplication Strategies with Fractions</p> <p data-bbox="811 1086 1239 1125">8.4 Doubling and Halving to Solve $\frac{1}{4} \times \frac{2}{3}$</p>

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Grade	Teacher	Video Clips
6	 <p data-bbox="288 583 746 848">Ms. Kretschmar teaches fifth- and sixth-grade math and science at Lighthouse Community Charter School. She has been teaching and learning from her students for seventeen years. She puts a high priority on looking deeply at student work and listening to student thinking to inform instruction.</p>	<p data-bbox="811 243 1232 269">2.1 Using Hand Signals and Wait Time</p> <p data-bbox="811 278 1222 349">2.2 $1\frac{1}{2} \times \frac{2}{5}$: Using Turn and Talk with a Number Talk</p> <p data-bbox="811 363 1269 469">5.2 Placing 0.9, 0.13, 0.255 on the Number Line: Connecting Fractions to Decimals</p> <p data-bbox="811 478 1210 548">8.3 $1\frac{1}{3} \times \frac{3}{4}$: Developing Multiplication Strategies with Fractions</p> <p data-bbox="811 557 1248 627">9.1 $1 \div \frac{3}{8}$: Developing Division Strategies with Fractions</p> <p data-bbox="811 636 1215 707">9.2 $6 \div 3, 3 \div 1\frac{1}{2}, 1\frac{1}{2} \div \frac{3}{4}$: Proportional Reasoning String</p>