

 PRINCETON <small>INDEPENDENT SCHOOL DISTRICT</small>		Campus: Godwin, Harper, Lacy, Smith	
Author(s): Garlington, Elsbury, Warren, Venters, Stovall, Eaton		Date Created / Revised: July 30, 2020	
Six Weeks Period: 1 st		Grade Level & Course: 5 th grade math	
Timeline: 5 days		Unit Title: Division One Digit Divisor	Week 3
Stated Objectives: TEK # and SE	<p style="text-align: center;">Problem Solving/Process Standards</p> <p>5.1A apply mathematics to problems arising in everyday life, society, and the workplace;</p> <p>5.1B use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution;</p> <p>5.1C select tools, including real objects, manipulatives, paper and pencil, and technology as appropriate and techniques, including mental math, estimation, and number sense as appropriate, to solve problems.</p> <p>5.1D communicate mathematical ideas, reasoning, including symbols, diagrams, graphs, and language as appropriate.</p> <p>5.1 E create and use representations to organize, record, and communicate mathematical ideas.</p> <p>5.1F analyze mathematical relationships to connect and communicate mathematical ideas.</p> <p>5.1G display, explain, and justify mathematical ideas and arguments using precise mathematical language in written or oral communications</p> <p style="text-align: center;">Skills</p> <p>5.9(C) solve one- and two-step problems using data from a frequency table, dot plot, bar graph, stem-and-leaf plot, or scatterplot.</p> <p style="text-align: center;">Review</p> <p>5.3(K) add and subtract positive rational numbers fluently;</p> <p style="text-align: center;">Concept</p> <p>5.3(C) solve with proficiency for quotients of up to a four-digit dividend by a two-digit divisor using strategies and the standard algorithm;</p> <p>ELPS: http://www.teksresourcesystem.net/module/standards/Tools/Browse?StandardId=118094</p> <p>5.3A low SE</p>		
See Instructional Focus Document (IFD) for TEK Specificity			
Key Understandings	The standard algorithm can be used to solve problems involving multiplication and/or division with efficiency and accuracy.		

Misconceptions	<p>Some students may think the dividend always goes on the left side of a division sentence, rather than understanding where to place the dividend and divisor based on the symbol being used.</p> <p>Some students may think that the standard algorithm is always the most efficient way to solve a multiplication or division problem rather than thinking about the numbers and then determining the most efficient way to solve from a variety of strategies.</p>	
Key Vocabulary	Divide, Dividend, Divisor, Quotient, Remainder, Equal Groups, Share, Multiplication	
Suggested Day 5E Model	Instructional Procedures (Engage, Explore, Explain, Extend/Elaborate, Evaluate)	Materials, Resources, Notes
Day 1- Engage/ Explore/Explain	Warm-Up (2 problem solving problems) Practice analyzing graphs by doing Skills 9 on the board. Do Review 9 orally Concept: Activity 1 (Write story problems) *Concrete Level	From Sharon Wells Curriculum <ul style="list-style-type: none"> ● P. Solving 9A/B ● Skills 9 ● Review 9 ● Concept: Activity 1
Day 2 – Explain	Warm-Up (2 problem solving problems) Practice analyzing graphs by doing Skills 10 on the board. Do Review 10: Independent Practice. Concept: Activity 2 (Write story problems) *Semi Concrete Level	From Sharon Wells Curriculum <ul style="list-style-type: none"> ● P. Solving 10A/B ● Skills 10 ● Review 10 ● Concept: Activity 2
Day 3 - Explain	Warm-Up (2 problem solving problems) Practice analyzing graphs by doing Skills 11 on the board. Do Review 11: Independent Practice Concept: Activity 3 (Write story problems) *Semi Abstract Level	From Sharon Wells Curriculum <ul style="list-style-type: none"> ● P. Solving 11A/B ● Skills 11 ● Review 11 ● Concept: Activity 3

<p>Day 4 –Extend</p>	<p>Warm-Up (2 problem solving problems) Analyze graphs by doing Skills 12: Independent Practice Do Review 12: Independent Practice Concept: Activity 4 (Write story problems) * Abstract Level</p>	<p>From Sharon Wells Curriculum</p> <ul style="list-style-type: none"> • P. Solving 12A/B • Skills 12 • Review 12 • Concept: Activity 4
<p>Day 5 – Evaluate</p>	<p>Week 3 Test Taking Skills Week 3 Assessment</p>	<p>From Sharon Wells Curriculum</p> <ul style="list-style-type: none"> • Week 3 Test Taking Skills • Week 3 assessment