

# Third Grade Mathematics Newsletter

Marking Period 4, Part 1

MT	Learning Goals by Measurement Topic (MT) <u>Students will be able to . . .</u>	
Operations and Algebraic Thinking	<ul style="list-style-type: none"> <li>fluently multiply and divide within 100.</li> <li>solve and represent word problems involving the four operations with unknowns in all positions.</li> <li>assess the reasonableness of answers to word problems.</li> </ul>	
Measurement and Data	<ul style="list-style-type: none"> <li>tell and write time to the nearest minute.</li> <li>measure <b>intervals of time</b> in minutes.</li> <li>solve word problems involving addition and subtraction of <b>time intervals</b> in minutes.</li> <li>measure and estimate liquid <b>volumes</b> and <b>masses</b> of objects using standard units of grams (g), kilograms (kg), and liters (l).</li> </ul>	




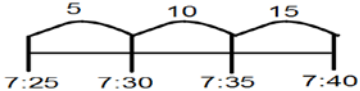


Thinking and Academic Success Skills (TASS)		
	<u>It is . . .</u>	<u>In mathematics, students will . . .</u>
Elaboration	adding details that expand, enrich, or embellish.	<ul style="list-style-type: none"> <li>add to a peer's ideas about a process to solve a two-step word problem.</li> <li>share thoughts and ideas about the process used to add and subtract intervals of time using concrete models, written form, or oral communication.</li> </ul>
Effort/Motivation/Persistence	working diligently and applying effective strategies to achieve a goal or solve a problem; continuing in the face of obstacles and competing pressures.	<ul style="list-style-type: none"> <li>identify an achievable, yet challenging goal to fluently multiply and divide within 100.</li> <li>develop a program of action to solve and represent word problems of all operations.</li> <li>work persistently to develop a strategy to compare the mass of various objects.</li> </ul>



# Third Grade Mathematics Newsletter

Marking Period 4, Part 1

Learning Experiences by Measurement Topic (MT)		
MT	 <u>In school, your child will . . .</u>	 <u>At home, your child can . . .</u>
Operations and Algebraic Thinking	<ul style="list-style-type: none"> <li>continue to practice strategies to meet the year-end goal to know all multiplication facts 0 - 10 by memory.</li> <li>represent and solve 2-step word problems using equations with a letter standing for the unknown quantity.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Lana earned \$12 on Monday, \$14 on Tuesday and \$20 on Wednesday. Her goal is to earn \$75 by Friday. How much money will she need to make in order to reach her goal?</p> </div> <div style="display: inline-block; vertical-align: middle; text-align: center;">  </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p> <math>\\$12 + \\$14 + \\$20 = n</math>  <math>\\$46 = n</math>  <math>\\$46 + k = \\$75</math>  <i>Solve for k</i> </p> </div>	<ul style="list-style-type: none"> <li>create an expense goal, write and solve a word problem and number sentence with an unknown that represents the goal.</li> </ul> <p><u>Example:</u> Our family created a goal to buy a new refrigerator that costs \$500. If we save \$50 each week, how many weeks will we need to save to be able to buy the refrigerator? (<math>50 \times w = \\$500</math>)</p> <p><u>Website to support learning: (Word Problems)</u>  <a href="http://mrnussbaum.com/bmf/">http://mrnussbaum.com/bmf/</a></p>
	<ul style="list-style-type: none"> <li>represent and solve addition word problems involving time using a number line.</li> </ul> <p><u>Example:</u> Ethan left for school at 7:25 a.m. It took him 15 minutes to get to school. What time did he arrive?</p> <div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>predict the <b>mass</b> (grams/kilograms) of objects, then measure to find the actual <b>mass</b>.</li> <li>predict the <b>liquid volume</b> (in liters) of different containers, then measure to find actual <b>volume</b>.</li> </ul>	<ul style="list-style-type: none"> <li>use an analog clock to tell the time of at-home activities (for example: start of sports practice, dinnertime, bedtime, etc.).</li> </ul> <p><u>Website to support learning: (Time)</u>  <a href="http://jmathpage.com/JIMSMeasurementclocks.html">http://jmathpage.com/JIMSMeasurementclocks.html</a></p> <ul style="list-style-type: none"> <li>create a goal to complete a task in a given amount of time (for example: complete homework, clean a room, etc.). Record the start and finish time to reflect on if goal was achieved. Add ideas to the original plan in order to improve the process of achieving the goal.</li> <li>work diligently to compare and order <b>liquid volumes</b> of various containers around the home (for example: milk jugs, coffee mugs, juice boxes, cups, etc.).</li> </ul>
Glossary	<p><b>intervals of time / time intervals:</b> the time that has passed</p> <p><b>liquid volume:</b> the amount of liquid a container holds</p> <p><b>mass:</b> the amount of space taken up by an object</p>	

## Important Notice:

It is essential for grade 3 students to know all 0 - 10 multiplication facts by the end of the year.