

Third Grade Mathematics Newsletter

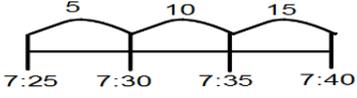
Marking Period 4, Part 1

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

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"> add to a peer’s ideas about a process to solve a two-step word problem. share thoughts and ideas about the process used to add and subtract intervals of time using concrete models, written form, or oral communication. 
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"> identify an achievable, yet challenging goal to fluently multiply and divide within 100. develop a program of action to solve and represent word problems of all operations. work persistently to develop a strategy to compare the mass of various objects. 

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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"> continue to practice strategies to meet the year-end goal to know all multiplication facts 0 - 10 by memory. represent and solve 2-step word problems using equations with a letter standing for the unknown quantity. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <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; margin: 0 10px;">  </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p> $\\$12 + \\$14 + \\$20 = n$ $\\$46 = n$ $\\$46 + k = \\75 <i>Solve for k</i> </p> </div>	<ul style="list-style-type: none"> create an expense goal, write and solve a word problem and number sentence with an unknown that represents the goal. <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? ($50 \times w = \\$500$)</p> <p><u>Website to support learning: (Word Problems)</u> http://mrnussbaum.com/bmf/</p>
	<ul style="list-style-type: none"> represent and solve addition word problems involving time using a number line. <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; margin: 10px 0;">  </div> <ul style="list-style-type: none"> predict the mass (grams/kilograms) of objects, then measure to find the actual mass. predict the liquid volume (in liters) of different containers, then measure to find actual volume. 	<ul style="list-style-type: none"> use an analog clock to tell the time of at-home activities (for example: start of sports practice, dinnertime, bedtime, etc.). <p><u>Website to support learning: (Time)</u> http://jmathpage.com/JIMSMeasurementclocks.html</p> <ul style="list-style-type: none"> 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. work diligently to compare and order liquid volumes of various containers around the home (for example: milk jugs, coffee mugs, juice boxes, cups, etc.).

Glossary	<p>intervals of time / time intervals: the time that has passed</p> <p>liquid volume: the amount of liquid a container holds</p> <p>mass: the amount of space taken up by an object</p>
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Important Notice:

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