



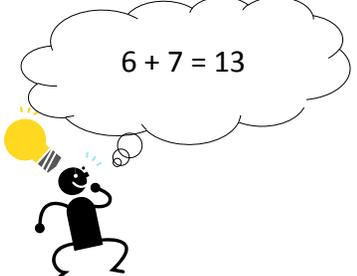
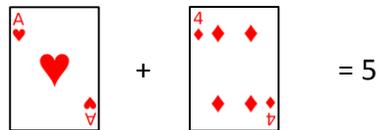
MT	Learning Goals by Measurement Topic (MT) <i>Students will be able to . . .</i>
Operations and Algebraic Thinking	<ul style="list-style-type: none"> apply strategies to add and subtract all one-digit numbers accurately, efficiently, and flexibly.
Numbers and Operations in Base Ten	<ul style="list-style-type: none"> use strategies (1-1000 chart, base ten models, number line, etc.) to add three-digit numbers with or without composing. <div style="display: flex; justify-content: space-around; font-size: small;"> <div style="text-align: center;"><u>With Composing a Ten</u> $216 + 127 = ?$</div> <div style="text-align: center;"><u>With Composing a Hundred</u> $342 + 185 = ?$</div> <div style="text-align: center;"><u>With Composing a Ten and a Hundred</u> $162 + 549 = ?$</div> </div> use strategies (1-1000 chart, base ten models, number line, etc.) to subtract three-digit numbers with or without decomposing. <div style="display: flex; justify-content: space-around; font-size: small;"> <div style="text-align: center;"><u>With Decomposing a Ten</u> $386 - 139 = ?$</div> <div style="text-align: center;"><u>With Decomposing a Hundred</u> $615 - 185 = ?$</div> <div style="text-align: center;"><u>With Decomposing a Ten and a Hundred</u> $752 - 198 = ?$</div> </div> explain why addition or subtraction strategies work.

It is essential for students in Grade 2 math to know all addition and subtraction facts within 20 by the end of the year.

Thinking and Academic Success Skills (TASS)		
	<u>It is . . .</u>	<u>In mathematics, students will . . .</u>
Synthesis	putting parts together to build understanding of a whole concept or to form a new or unique whole.	<ul style="list-style-type: none"> use what is known about adding two 1-digit numbers to find the sum of up to four 2-digit numbers. connect ideas about composing and decomposing tens to composing and decomposing hundreds. organize ideas and information about successful strategies used by others to <div style="text-align: right;"> </div>
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"> show determination to solve math problems in different ways. set goals to use different strategies to subtract 3-digit numbers. keep trying different math strategies until a solution is determined. <div style="text-align: right;"> </div>

Second 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"> solve addition and subtraction facts within 20 from memory. 	<ul style="list-style-type: none"> use playing cards (1-10), dice, etc. to add or subtract numbers by memory.  <p>Website to support learning:</p> <ul style="list-style-type: none"> http://www.montgomeryschoolsmd.org/departments/hiat/websites/math.shtm
Numbers and Operations in Base Ten	<ul style="list-style-type: none"> add four 2-digit numbers using base ten models and represent strategies with equations. <ul style="list-style-type: none"> <u>Possible equation:</u> $37 + 24 + 16 + 23 = ?$ add a 3-digit number and a 3-digit number (with composing a ten and/or a hundred) using a strategy (1-1000 chart, base ten models, number line, etc.) Explain why the strategy works best. <ul style="list-style-type: none"> <u>Possible equation:</u> $347 + 264 = ?$ subtract a 3-digit number from a 3-digit number (with decomposing a ten and/or a hundred) using a strategy (1-1000 chart, base ten models, number line, etc.) Explain why the strategy works best. <ul style="list-style-type: none"> <u>Possible equation:</u> $506 - 124 = ?$ 	<ul style="list-style-type: none"> use a written method to practice addition and subtraction with composing and decomposing. Explain the method used (possible written methods are drawing a model, creating a number line, etc.). roll three dice to generate 3-digit numbers (if you roll a , a , and a , you can make the numbers 363, 336, or 633. Then, have a family member roll the dice again to make another 3-digit number). Decide together whether to add or subtract. Solve the problem in different ways to check for accuracy. <p>Websites to support learning:</p> <ul style="list-style-type: none"> http://illuminations.nctm.org/Activities.aspx?grade=1 http://www.curriculumsupport.education.nsw.gov.au/countmein/children_calendar.html

