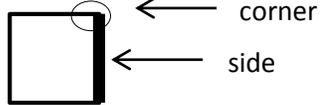
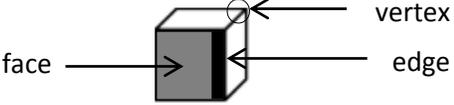


# First Grade Mathematics Newsletter

Marking Period 4, Part 1

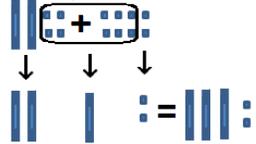
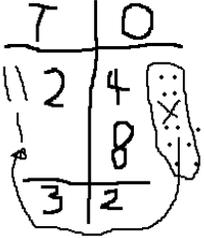
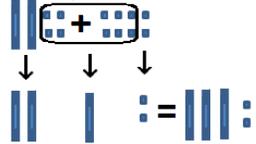
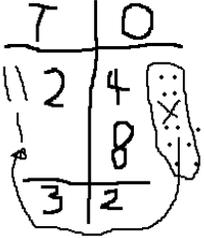
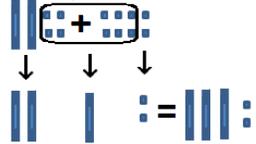
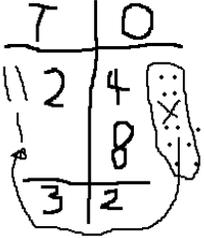
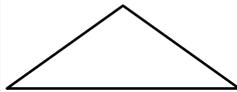
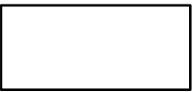
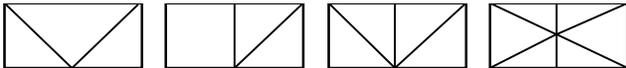
MT	<b>Learning Goals by Measurement Topic (MT)</b> <u>Students will be able to . . .</u>	
<b>Number and Operations in Base Ten</b>	<ul style="list-style-type: none"> <li>• use written methods that relate to place-value models when asked to:                             <ul style="list-style-type: none"> <li>○ add a 2-digit number to a 2-digit number ending in 0.</li> <li>○ subtract 2-digit numbers ending in 0.</li> <li>○ add a 1-digit number and a 2-digit number ending in 0.</li> </ul> </li> </ul>	
<b>Geometry</b>	<ul style="list-style-type: none"> <li>• identify, describe, and compare 2-dimensional and 3-dimensional shapes by their attributes.</li> <li>• compose (put together) 2-dimensional shapes.</li> <li>• compose (put together) 3-dimensional shapes.</li> </ul> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center;">attributes of 2-dimensional shapes</p>  </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p style="text-align: center;">attributes of 3-dimensional shapes</p>  </div> </div>	

<b>Thinking and Academic Success Skills (TASS)</b>		
	<u>It is . . .</u>	<u>In mathematics, students will . . .</u>
<b>Originality</b>	<p>creating ideas and solutions that are novel or unique to the individual, group, or situation.</p> 	<ul style="list-style-type: none"> <li>• solve 2-digit addition and subtraction problems in new ways using models and written methods.</li> <li>• develop a variety of written models to solve 2-digit addition and subtraction problems.</li> <li>• use 2-dimensional shapes to create composite shapes.</li> <li>• use 3-dimensional shapes to create composite shapes.</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>A composite shape is an object made up of two or more basic shapes.</p> </div>
<b>Metacognition</b>	<p>knowing and being aware of one's own thinking and having the ability to monitor and evaluate one's own thinking.</p>	<ul style="list-style-type: none"> <li>• self-monitor (check for understanding) when solving 2-digit addition problems by reflecting on strategies and applying new thinking when necessary.</li> <li>• explain the thinking process used when sorting shapes by attributes.</li> </ul> 

# First 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>																					
<b>Number and Operations in Base Ten</b>	<ul style="list-style-type: none"> <li>use a variety of written methods that relate to place-value models when solving 2-digit addition problems. A possible written method and verbal explanation for <math>\square = 24 + 8</math> is shown below.</li> </ul> <table border="1" data-bbox="247 467 1094 820"> <thead> <tr> <th>place-value model using base-10 blocks</th> <th>written method</th> <th>verbal explanation</th> </tr> </thead> <tbody> <tr> <td data-bbox="254 553 527 711">  </td> <td data-bbox="527 553 808 808">  </td> <td data-bbox="808 553 1087 820"> <p>"I know that 24 can be written as 2 tens and 4 ones. I added 8 ones and I got a total of 12 ones. I composed a ten, which left 2 ones in the ones place and gave me a new total of 3 tens in the tens place. My answer is 32."</p> </td> </tr> </tbody> </table>	place-value model using base-10 blocks	written method	verbal explanation			<p>"I know that 24 can be written as 2 tens and 4 ones. I added 8 ones and I got a total of 12 ones. I composed a ten, which left 2 ones in the ones place and gave me a new total of 3 tens in the tens place. My answer is 32."</p>	<ul style="list-style-type: none"> <li>play a mystery equation game! Write five 2-digit numbers on pieces of paper and put them in a bag. Then write the numbers 1-9 on individual slips of paper and put them in a second bag. Choose a number from each bag and write an addition equation using the numbers. Then solve the problem using a written method and verbal explanation. <i>These verbal explanations demonstrate metacognition.</i></li> </ul> <div data-bbox="1123 641 1375 803" style="border: 1px solid black; padding: 5px;"> <p>If 36 and 2 were chosen, the following equation would be written and solved:  <math>36 + 2 = \square</math></p> </div> <div data-bbox="1386 625 1963 820" style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Bag 1</p> <table border="1"> <tr><td>42</td><td>36</td><td>68</td></tr> <tr><td>12</td><td>54</td><td></td></tr> </table> </div> <div style="text-align: center;"> <p>Bag 2</p> <table border="1"> <tr><td>9</td><td>1</td><td>3</td></tr> <tr><td>8</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>4</td><td>2</td></tr> </table> </div> </div>	42	36	68	12	54		9	1	3	8	5	6	7	4	2
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<b>Geometry</b>	<ul style="list-style-type: none"> <li>identify attributes of 2-dimensional shapes . Attributes include the number of sides and corners on a triangle, rectangle, and square.</li> </ul> <div data-bbox="424 922 1010 1068" style="display: flex; justify-content: space-around; text-align: center;">    </div> <ul style="list-style-type: none"> <li>identify attributes of 3-dimensional shapes. Attributes include the number of faces, edges, and vertices on a cube, prism, cone, cylinder, and sphere.</li> <li>create a given composite shape using original combinations of various 2-dimensional shapes.</li> </ul> <div data-bbox="262 1291 1087 1409" style="border: 1px solid black; padding: 5px;"> <p>four possible ways to compose a rectangle out of 2-dimensional shapes</p>  </div>	<ul style="list-style-type: none"> <li>go on a 2-dimensional shape scavenger hunt around the house. Draw and label the shapes found.</li> <li>create an original shape museum! Collect and display 3-dimensional shapes found around the house in a shape museum. Examples include boxes, cans, balls, etc.</li> </ul> <div data-bbox="1134 1047 1953 1234" style="display: flex; justify-content: space-around; text-align: center;">      </div> <ul style="list-style-type: none"> <li>use this website to practice creating composite shapes:  <a href="http://www.pbs.org/parents/education/math/games/preschool-kindergarten/building-sandcastles/">http://www.pbs.org/parents/education/math/games/preschool-kindergarten/building-sandcastles/</a></li> </ul>																					