

First Grade Mathematics Newsletter

Marking Period 1, Part 1

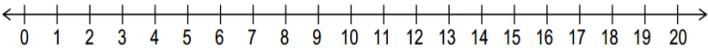
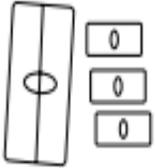
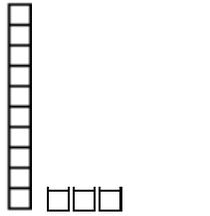
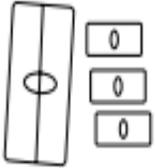
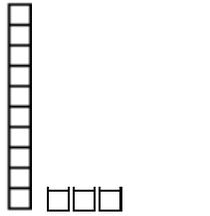
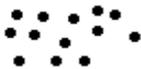
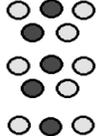
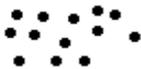
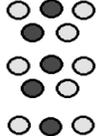
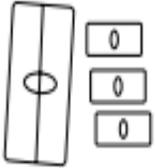
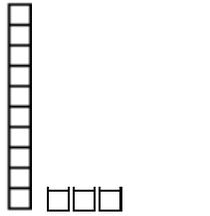
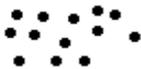
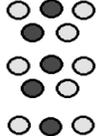
| MT | Learning Goals by Measurement Topic (MT) <i>Students will be able to . . .</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|-----|-----|-----|-----|-----|-----|-----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Number and Operations in Base Ten | <ul style="list-style-type: none"> count to 120 starting from any number. represent any number 1-120 using words, numerals, pictures, objects. compose (put together) and decompose (take apart) a number into different groupings of tens and ones. compare 2-digit numbers using words (greater than, less than, equal to) and symbols ($>$, $<$, $=$). <div style="border: 1px solid black; padding: 10px; text-align: center; margin: 10px 0;"> $>$ $<$ $=$ greater than less than equal to </div> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">1-120 Chart</div> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td></tr> <tr><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td></tr> <tr><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td></tr> <tr><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td></tr> <tr><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td></tr> <tr><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td></tr> <tr><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td></tr> <tr><td>101</td><td>102</td><td>103</td><td>104</td><td>105</td><td>106</td><td>107</td><td>108</td><td>109</td><td>110</td></tr> <tr><td>111</td><td>112</td><td>113</td><td>114</td><td>115</td><td>116</td><td>117</td><td>118</td><td>119</td><td>120</td></tr> </table> | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Thinking and Academic Success Skills (TASS) | | |
|--|---|---|
| | <u>It is . . .</u> | <u>In mathematics, students will . . .</u> |
| Analysis | breaking down a whole into parts that may not be immediately obvious and examining the parts so that the structure of the whole is understood. <div style="text-align: center; margin-top: 10px;">  </div> | <ul style="list-style-type: none"> describe various patterns on a 120 chart. For example, the tens place increases by 1 and the ones place stays the same when reading down a column. compare 2-digit numbers by identifying similarities and differences using words (greater than, less than, equal to) and symbols ($>$, $<$, $=$). demonstrate understanding of the value of a 2-digit number by composing (putting together) and decomposing (taking apart) groups of tens and ones. |
| Collaboration | working effectively and respectfully to reach a group goal. <div style="text-align: center; margin-top: 10px;">  </div> | <ul style="list-style-type: none"> actively listen to and share different strategies for representing and comparing numbers. demonstrate appropriate behavior during group work by sharing strategies, asking questions, and respecting the ideas of others. |

First Grade Mathematics Newsletter

Marking Period 1, Part 1

Learning Experiences by Measurement Topic (MT)

| MT |  <u>In school, your child will . . .</u> |  <u>At home, your child can . . .</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---|--|--|--|------|------|------|-----------------|------|--|---|---|--|-----------------|---|------|---------|---------|--------------------|------|---|---|---|----------|----|---|---|----|----|----|----|----|----|----|----|----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Number and Operations in Base Ten | <ul style="list-style-type: none"> count forward and backward using tools such as a 1-120 chart and a number line. <div data-bbox="302 423 1068 496" style="border: 1px solid black; padding: 5px; margin: 10px 0;">  </div> identify missing numbers on a 1-120 chart. identify numbers that are one more/one less and ten more/ten less than a given number verbally, in writing, and in pictures. compare numbers based on tens and ones by playing math games. <u>Example:</u> The number 54 is greater than the number 45 because it has 5 tens in the tens place and 5 tens is greater than the 4 tens in 45. model numbers using Digi-blocks and base-10 blocks. <div data-bbox="424 841 915 1114" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <table style="width: 100%; text-align: center;"> <tr> <td style="width: 50%;">Digi-blocks</td> <td style="width: 50%;">Base-10 blocks</td> </tr> <tr> <td></td> <td></td> </tr> </table> </div> represent a 2-digit number in different groupings and explain groupings used. <u>Example:</u> 12 <div data-bbox="247 1192 1089 1414" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <table style="width: 100%; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px;">T</td> <td style="border: 1px solid black; padding: 2px;">O</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"> </td> <td style="border: 1px solid black; padding: 2px;">■ ■</td> </tr> </table> </td> <td style="padding: 0 10px;">AND</td> <td style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px;">T</td> <td style="border: 1px solid black; padding: 2px;">O</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">■ ■ ■ ■ ■ ■ ■ ■</td> </tr> </table> </td> </tr> </table> <p>The number 12 can be represented as 1 ten and 2 ones. The value of the 1 in 12 is 10. The value of the 2 in 12 is 2.</p> </div> | Digi-blocks | Base-10 blocks |  |  | <table style="width: 100%; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px;">T</td> <td style="border: 1px solid black; padding: 2px;">O</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"> </td> <td style="border: 1px solid black; padding: 2px;">■ ■</td> </tr> </table> | T | O | | ■ ■ | AND | <table style="width: 100%; text-align: center;"> <tr> <td style="border: 1px solid black; padding: 2px;">T</td> <td style="border: 1px solid black; padding: 2px;">O</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">■ ■ ■ ■ ■ ■ ■ ■</td> </tr> </table> | T | O | | ■ ■ ■ ■ ■ ■ ■ ■ | <ul style="list-style-type: none"> count collections of objects (pennies, snacks, street signs, etc.). represent numbers 1-120 using words, numerals, pictures, and objects. Two examples are shown below. <table border="1" data-bbox="1163 483 1915 854" style="width: 100%; text-align: center; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Word</th> <th style="padding: 5px;">Numeral</th> <th style="padding: 5px;">Picture</th> <th style="padding: 5px;">Objects (counters)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">five</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">thirteen</td> <td style="padding: 5px;">13</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table> organize a collection of up to 120 objects into groups of ten and skip count by ten. <div data-bbox="1121 971 1961 1049" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <table style="width: 100%; text-align: center;"> <tr> <td>10</td><td>20</td><td>30</td><td>40</td><td>50</td><td>60</td><td>70</td><td>80</td><td>90</td><td>100</td><td>110</td><td>120</td> </tr> <tr> <td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td> </tr> <tr> <td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td><td>●●●●</td> </tr> </table> </div> play a collaborative number game! Identify a number that is one more/one less and ten more/ten less than a number given by a family member or friend. count by tens up to a given multiple of 10 (30, 40, 50, etc.) while doing jumping jacks, skipping, clapping, singing, etc. use this website to practice working with numbers: http://nlvm.usu.edu/en/nav/frames_asid_152_g_1_t_1.html?from=category_g_1_t_1.html | Word | Numeral | Picture | Objects (counters) | five | 5 |  |  | thirteen | 13 |  |  | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● |
| Digi-blocks | Base-10 blocks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Word | Numeral | Picture | Objects (counters) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| five | 5 |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| thirteen | 13 |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | ●●●● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |