



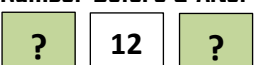



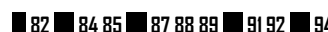
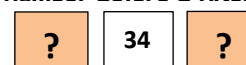

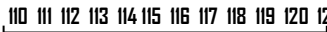


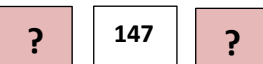
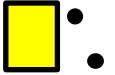
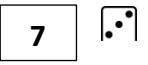


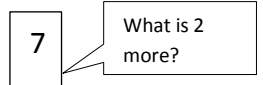



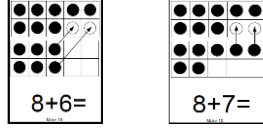
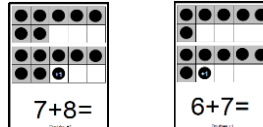
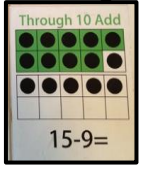
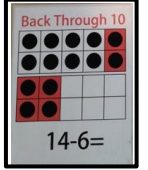


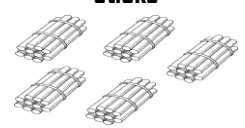


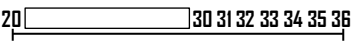



## Forward and Backward Counting Sequence Activities

Level A (Counts to 10) (Counts Back From 10)	Level B (Counts to 20) (Counts Back From 23)	Level C (Counts to 113) (Back From 73)	Level D (Counts to 213) (Back From 104)
<p>Count Counters on 10 or 20 Frame or 10 rack</p>  <p>Calculator Count up to 10 or 20</p>  <p>Count using Number Line</p>  <p>Sequence Number Cards 1-10 or 10-20</p>  <p>Number Before &amp; After</p> 	<p>Calculator Count &gt;20</p>  <p>Count using Number Line &gt;20</p>  <p>Sequence/Order &gt;20</p>  <p>Covered Number Line &gt;20</p>  <p>Number Before &amp; After</p> 	<p>Calculator Count &gt;113</p>  <p>Count using Number Line &gt; 113</p>  <p>Number Cards: Next Number "What number comes next"</p>  <p>Covered Number Line &gt;113</p>  <p>Number Before &amp; After</p> 	<p>Begin Working to 1,000</p> <p>Calculator Count to 1,000</p> <p>Number Line to 1,000</p> <p>Number Before/Number After</p>



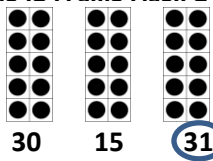


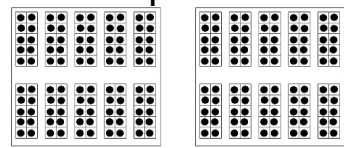
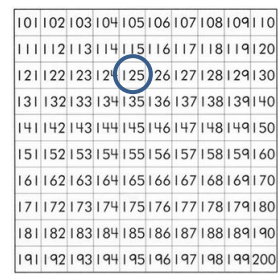
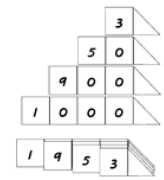
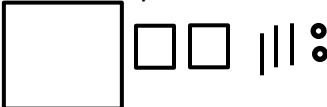

## Addition and Subtraction Activities

Level A (Drops back to One) (Represents All Numbers)	Level B (Counts on/ Back) Inaccurate	Level C (Counts on /Back) Accurate	Level D (Flexible Strategies) (Memory)
<p>Screened Counters</p>  <p>"5 counters are covered, how many total"</p> <p>Number Card with Domino dots</p>  <p>Bucket Counting</p> <p>One in One out Two in Two Out</p>  <p>"7 are in the bucket, how many now?"</p>	<p>2 Screened Counters</p>  <p>"4 counters 2 counters, how many total"</p> <p>Number Card 1 or 2 more 1 or 2 less</p>  <p>Bucket Counting</p> <p>Multiple Counters at Same time</p>  <p>"7 are in the bucket, now how many?"</p>	<p>Partition Numbers &lt; 10</p>  <p>"Make 8 in different ways."</p> <p>Combinations of 10</p> <p>9+1= 8+2= 7+3= 6+4= 5+5=</p> <p>Making 10 Bonds</p>  <p>Make 10 Strategy</p>  <p>Doubles +1 +2, -1 -2</p> 	<p>Extend to 100</p> <p>Jumping and Splitting Strategy</p> <p>Add Through 10</p>  <p>Subtract Through 10</p> 

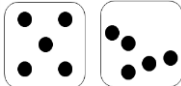




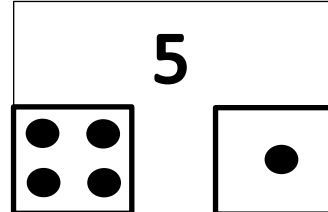


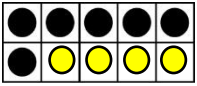



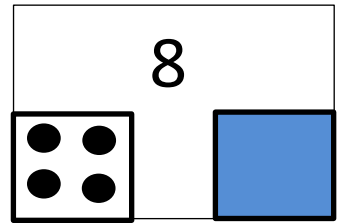
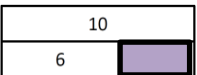
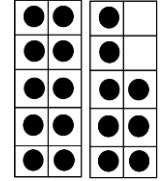
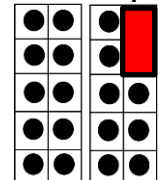

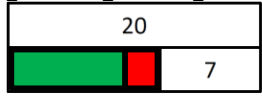
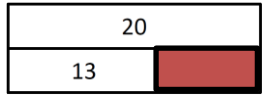
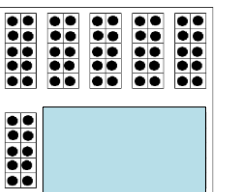
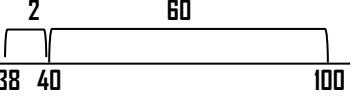
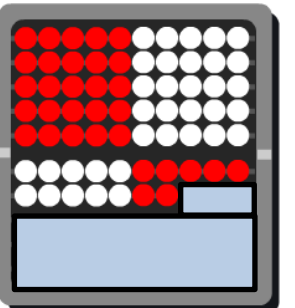
## Counting by Tens Activities

Level A (Counts to 100 starting at 10)	Level B (Counts to 66 off Decade)	Level C (Counts to 117 off decade)	Level D (Counts to 208 off decade)
<p>Count 10 Bundled Popsicle sticks</p>  <p>Count 10 Rods</p>  <p>Calculator Count by 10</p>  <p>Ten Catcher Number Line On Decade</p>  <p>Bucket Count by 10's</p>  <p>Decade Number Cards 10 more 10 less</p>  <p>10 Finger Flashes</p>  <p>Add ones for Split Counting 3 Flashes of 10 and 2 ones is what number?"</p>	<p>Same Activities but Off DECADE Numbers</p>	<p>Same Activities but Off DECADE Numbers into 100's</p>	<p>Continue to 1000</p>

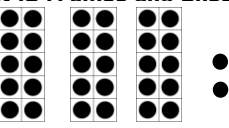




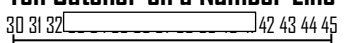
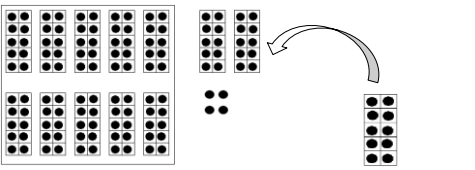

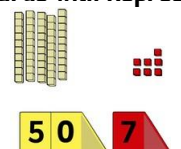

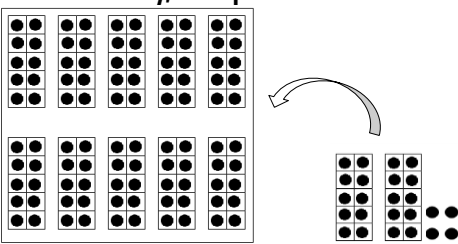
## Numerals Identification Activities

Level A (Numbers to 10)	Level B (Numbers to 100)	Level C (Numbers to 1000)	Level D (1,000- 100,000+)
<b>5 Frame Flash And Match</b>  3    4    5 <b>10 Frame Flash And Match</b>  8    7    9 <b>Multiple 10 Frame Flash &amp; Match</b>  30    15    31 <b>Number Building with 10 Frames/Representations</b> 	<b>Arrow Cards</b>  <b>Build &gt;100 with 100 Frames or other Representations</b>  <b>Find Numbers on 100 Chart or 200 chart</b> 	<b>Arrow Cards</b>  <b>Draw numbers &gt; 1,000 with pictorial images</b> 1, 232  <b>Build with Cubes, Flats, Rods, Units</b> 	<b>Same Activities with Larger Range</b>

## Part Whole Relationship: 5, 10, 20, and 100 Activities

Level A Non Facile Strategies	Level B Solve to 5	Level C Solve to 10	Level D Solve to 20																										
<b>Subitizing Regular/Irregular Patterns</b>  <b>Finger Flash to 5</b>  "Flash back what we need to make 5." <b>Make and Break Cubes Up to 5</b>  Write equations to five. <b>Build Combinations/Five Frame</b>  Use two colored counters <b>Screened Five Frame</b>  "How many to make 5?" <b>Part Whole Cards up to Five "Open/Close Doors"</b>  "How is 5 made?" Close and open doors. <b>Make 5 Combinations Digits</b> <table border="1"> <tr><td>5</td><td>0</td><td>2</td></tr> <tr><td>4</td><td>1</td><td>3</td></tr> </table>	5	0	2	4	1	3	<b>Finger Flash to 10</b>  Flash back when we need to make 10. <b>Break Cubes Up to 10</b>  "Write Equations that make 10" <b>Build Combinations/ Ten Frame</b>  <b>Screened Ten Frame</b>  "How many to make 10?" <b>Combinations on Ten Rack</b>  <b>Ten Rack Screened</b>  "How many to make 10?" <b>Part Whole Cards 6-10 "Open/Close Doors"</b>  <b>Make 10: Screened Numerals</b>  <b>Make 10 Combinations Digits</b> <table border="1"> <tr><td>0</td><td>10</td><td>9</td><td>1</td></tr> <tr><td>4</td><td>6</td><td>5</td><td>5</td></tr> <tr><td>2</td><td>8</td><td>7</td><td>3</td></tr> </table>	0	10	9	1	4	6	5	5	2	8	7	3	<b>Combinations on a Twenty Frame</b>  <b>Make Connections Between Making 10 and 20</b> $2+8=10$ $4+6=10$ $12+8=20$ $14+6=20$ <b>Screened Twenty Frame</b>  How many more to make 20? <b>Make Combinations/Twenty Rack</b>  <b>Bridge Through 10 to get to 20</b>  "How much to get to 10? Then 10 to 20?" <b>Make 20: Screened Numerals</b>  What goes with 3 to make 10? Then 13 to 20. <b>Make 20 Combinations Digits</b> <table border="1"> <tr><td>13</td><td>5</td></tr> <tr><td>18</td><td>7</td></tr> <tr><td>15</td><td>2</td></tr> </table>	13	5	18	7	15	2	<b>Begin 100</b> <b>Screened 100 Frame/Rack</b>  <b>Decade Plus Decade to 100</b> $60+40=$ $70+30=$ $80+ \_ =100$ <b>Complete the 10 or Next 10</b> "38, how much do we need to get to the next 10?" Then work towards 100  <b>Jumping and Splitting to 100 mental math</b> $45+ \_ =100$ How much to the next 10? Then 50 to 100? <b>Screened 100 Frame/Rack</b>  How many do we have? How many to the next 10? How much from there to 100. <b>Make 100 Combinations Digits</b> <table border="1"> <tr><td>67</td><td>33</td></tr> </table>	67	33
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4	1	3																											
0	10	9	1																										
4	6	5	5																										
2	8	7	3																										
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15	2																												
67	33																												

## Application of Place Value Concepts Activities

Split Counting Activities Level A, B, C, D	Adding Base 10 Activities Level A, B, C, D	Adding From Base 10 Activities Level A, B, C, D
<b>Count 10 Frames and Ones</b>  <b>Frame Flashes, Math Rack Flashes</b>  <b>Build Numbers with Flats, Rods, Units then add Tens and Units</b>  <b>Jumps on a Number Line</b> 100's, 10's and 1's, from any number  <b>Oral Count by Place Value</b> "Count to 73 by 10's and ones"	<b>Number Card in Bucket then put in rods and units.</b>  <b>Ten Catcher on a Number Line</b>  <b>Build Numbers With Frames or Rods/Units, then add frames and ones</b>  $124$ how many if we put 10 more on? <b>Number Card, What is 10 more, 20 more</b> 	<b>Arrow Cards with Representation</b>  "If we have 50 and put on 7 what do we have?" <b>Frame Flashes/100 Rack Flashes</b>  <b>Build Century, then put on Decade/Units</b>  "We have 100, if we put on 24 how much will we have?"

