Catalog of Problems #2
Label the dots on the number lines.

- Between 18 and 19
- Between 43 and 44
- Between 91 and 92
- Between 108 and 110
Label the dots.

12 +2 14

Complete.

\[
\begin{align*}
16 &+ 2 \quad 25 &+ 2 \quad 33 &+ 2 \quad 87 &+ 2 \quad 104 &+ 2
\end{align*}
\]

\[
\begin{align*}
48 + 2 & = \_ \_ \_ \quad 92 + 2 & = \_ \_ \_
\end{align*}
\]
What number is on the Minicomputer?

Put the number on the Minicomputer.

14  29  17

50  98  36
Label the dots.

Complete.

\[\begin{array}{cccccc}
13 & 18 & 20 & 8 & 9 \\
-1 & -2 & -5 & -3 & -6 \\
\end{array}\]

\[\begin{array}{cccccc}
10 & 16 & 11 & 14 & 20 \\
-4 & -6 & -3 & -7 & -8 \\
\end{array}\]
Complete.

\[2 + 3 = \quad \]

\[4 + 3 = \quad \]

\[\hat{5} + 3 = \quad \]

\[\hat{4} + \hat{4} = \quad \]

\[\hat{10} + 1 = \quad \]
Label the dots.

Complete.

\[
\begin{align*}
12 & \quad 18 & \quad 44 & \quad 11 & \quad 7 \\
\underline{-2} & \quad \underline{-2} & \quad \underline{-2} & \quad \underline{-2} & \quad \underline{-2} \\
13 & \quad 2 & \quad 21 & \quad 30 & \quad 55 \\
\underline{-2} & \quad \underline{-2} & \quad \underline{-2} & \quad \underline{-2} & \quad \underline{-2}
\end{align*}
\]
How much money?

8¢

8¢

8¢
Label the dots.

Complete.

\[
\begin{array}{ccccc}
25 & 75 & 100 & 34 & 91 \\
+5 & +5 & +5 & +5 & +5 \\
\hline \\
45+5=\_\_\_ & 80+5=\_\_\_
\end{array}
\]
Answer the questions.

1. Who are boys? ________________________________

2. Who are second graders? ______________________

3. Which boy is a second grader? __________________

4. Which girl is not a second grader? ______________

Draw a dot for yourself.
Label the dots.

Complete.

16 + 3 = ___

14 + 3 = ___

21 + 3 = ___

100 + 3 = ___

32 + 3 = ___

8 + 3 = ___
Complete these number sentences.

\[4 + 3 = 7\]
\[4 + \square = 8\]
\[4 + \square = 9\]

\[\square + 6 = 10\]
\[\square + 7 = 11\]

\[4 + 8 = \square\]
\[4 + 9 = \square\]
Label the dots.

Complete.

\[
\begin{align*}
10 & +10 \quad 40 & +10 \quad 100 & +10 \quad 85 & +10 \\
31 & +10 \quad 47 & +10 \quad 99 & +10 \quad 63 & +10
\end{align*}
\]
Decode.

**Code**

| A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  | L  | M  | N  | O  | P  | Q  | R  | S  | T  | U  | V  | W  | X  | Y  | Z  |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|    |
| 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 |    |

\[ 5+3 \quad 13+2 \quad 20+3 \]
\[ 10+5 \quad 6+6 \quad 2\times2 \]
\[ 6-5 \quad 9+9 \quad 10-5 \]
\[ 21+4 \quad 9+6 \quad 22-1 \]

Answer: ________________________________
What is the area of each shape? One problem is done for you.

This is 1 little triangle.

10 little triangles

____ little triangles

____ little triangles

____ little triangles

____ little triangles

____ little triangles

____ little triangles

10 little triangles

____ little triangles

____ little triangles

____ little triangles
Build an arrow road from 4 to 15. Use only +1 and +2 arrows.
Complete Tom’s graph of his marble collection.

<table>
<thead>
<tr>
<th>Color</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three Blue</td>
<td>⬝ ⬝ ⬝</td>
</tr>
<tr>
<td>Seven Red</td>
<td></td>
</tr>
<tr>
<td>Four Yellow</td>
<td></td>
</tr>
<tr>
<td>Six Green</td>
<td></td>
</tr>
</tbody>
</table>

1. Tom has the most of which color? [three blue]

2. Tom has the least of which color? [seven red]

3. Which is more, Green or Blue? _____ How many more? ___

4. How many marbles does Tom have altogether? __________
Label the dots.

2×

Complete.

2 × 4 = ___  
2 × 5 = ___  
2 × 6 = ___  
2 × 7 = ___  

10  
× 2  
___

8  
× 2  
___

11  
× 2  
___

20  
× 2  
___
What number is on the Minicomputer?

Put these numbers on the Minicomputer.

183

627

806

490
The children in Mr. Karl’s class put an X in the graph for how many teeth they had lost.

1. How many children lost 6 teeth?________________________

2. How many children lost less than 6 teeth?_______________

3. How many children lost more than 6 teeth?_______________

4. How many children are in the graph?___________________

Put an X in the graph for yourself.
Complete these rows of the 0–109 Numeral Chart.

<table>
<thead>
<tr>
<th>60</th>
<th>64</th>
<th>65</th>
<th>68</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>80</td>
<td>83</td>
<td>86</td>
<td>87</td>
</tr>
</tbody>
</table>

Complete these parts of the 0–109 Numeral Chart.

<table>
<thead>
<tr>
<th>25</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
</tr>
<tr>
<td>45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>37</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>65</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>63</th>
</tr>
</thead>
<tbody>
<tr>
<td>81</td>
</tr>
</tbody>
</table>
Draw all the red arrows.
Label the dots.

+2

+3

7

23
Show how to cut each shape equally in half with one line. Circle the shapes you can not cut in half with one line.
Label the dots.

\(-2\quad +5\)
Match each dot with an A-block. One is done for you.
1. Jose buys a ball and a book. How much does he spend? ________________________________

2. Jose has one dollar. Will he get more or less than 50¢ change? __________________________

3. What could Dana buy for less than 50¢? ____________

4. What could Marty buy for exactly 60¢? ______________

5. Kay has 25¢ and buys a car. How much change does she get? ____________________________
What number is on the Minicomputer?
Label the dots.

\[ 2 \times \]

\[ 10 \]

\[ 160 \]

Complete.

\[
\begin{array}{cccc}
42 & 33 & 25 & 101 \\
\times 2 & \times 2 & \times 2 & \times 2 \\
\hline
& & & \\
\end{array}
\]

\[
320 \times 2 = \_
\]

\[
55 \times 2 = \_
\]
Find four ways to put 20 on the Minicomputer.

Find four ways to put 100 on the Minicomputer.

30
Show ways to make 21¢. One way is given.

<table>
<thead>
<tr>
<th>Dimes</th>
<th>Nickels</th>
<th>Pennies</th>
</tr>
</thead>
<tbody>
<tr>
<td>10¢</td>
<td>5¢</td>
<td>1¢</td>
</tr>
</tbody>
</table>
Dart Game

Throw darts and score points for where the darts land.

Juan plays the dart game with two darts. Both darts land on the board. Juan adds the points.

1. What is Juan’s highest possible score? ________________

2. What is Juan’s lowest possible score? ________________

3. What are other possible scores? ________________
   ________________
   ________________

4. Do you think you found all possible scores? Explain.