

# Preliminary Planning Sheet

## Stuffed Animal Collection

**Domain: Number & Operations in Base Ten**

**Standard: 2.NBT.B.6**

**Math Practices: MP.1 MP.3 MP.4 MP.6**

### Major Underlying Mathematical Concepts

- Part/Whole reasoning
- Number sense to 140
- Addition/Subtraction
- Comparison

### Possible Problem-Solving Strategies

- Model (manipulatives)
- Table
- Number line

### Possible Mathematical Vocabulary/Symbolic Representation

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• Model</li> <li>• Table</li> <li>• Diagram/Key</li> <li>• Number line</li> <li>• Total/Sum</li> <li>• Part/Whole</li> </ul> | <ul style="list-style-type: none"> <li>• Odd/Even</li> <li>• Left/Right</li> <li>• Amount</li> <li>• Difference</li> <li>• Equation</li> </ul> | <ul style="list-style-type: none"> <li>• Addends</li> <li>• Dozen</li> <li>• More than (&gt;)/Greater than (&gt;)/Less than (&lt;)</li> <li>• Equivalent/Equal to</li> </ul> |
|---|--|--|

### Possible Solution(s)

Answer

48 dogs

Joe's Stuffed Animals

Stuffed Animal	How Many	Total Stuffed Animals
Monkey	48	48
Bear	25	73
Dog	67	140

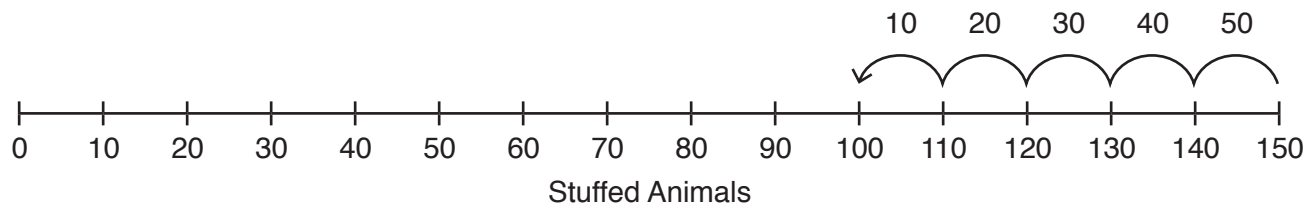
Jane's Stuffed Animals

Stuffed Animal	How Many	Total Stuffed Animals
Monkey	34	34
Bear	58	92
Dog	48	140

$$\begin{array}{r}
 140 \\
 - 92 \\
 \hline
 48
 \end{array}
 \qquad
 \begin{array}{r}
 10 \\
 + 40 \\
 \hline
 50 \\
 - 2 \\
 \hline
 48
 \end{array}$$

$$\begin{array}{r}
 48 \\
 + 25 \\
 \hline
 60 \\
 + 13 \\
 \hline
 73
 \end{array}
 \qquad
 \begin{array}{r}
 73 \\
 + 67 \\
 \hline
 130 \\
 + 10 \\
 \hline
 140
 \end{array}$$

$$\begin{array}{r}
 34 \\
 + 58 \\
 \hline
 80 \\
 + 12 \\
 \hline
 92
 \end{array}
 \qquad
 \begin{array}{r}
 92 \\
 + 48 \\
 \hline
 130 \\
 + 10 \\
 \hline
 140
 \end{array}$$



# Preliminary Planning Sheet (cont.)

## Stuffed Animal Collection

Domain: Number & Operations in Base Ten

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### Possible Connections

- Together, Joe and Jane have 280 stuffed animals.
- 280 is double 140.
- Joe has an even number of monkeys, an odd number of bears and an odd number of dogs.
- Jane has an even number of monkeys, bears and dogs.
- If you reverse the order of the same addends, you get the same sum.
- 48 dogs is 4 dozen.
- Joe has 14 more monkeys than Jane.
- Jane has 33 more bears than Joe.
- Jane has 19 less dogs than Joe.
- Solve more than one way to verify the answer.
- Relate to a similar task and state a math link.