Stuffed Animal Collection

Joe and Jane collect the same kinds of stuffed animals. Joe has forty-eight monkeys, twenty-five bears, and sixty-seven dogs. Jane looks at Joe’s collection and says she has the same number of stuffed animals. Jane has thirty-four monkeys and fifty-eight bears. How many dogs does Jane have? Show all your mathematical thinking.
Stuffed Animal Collection

Task
Joe and Jane collect the same kinds of stuffed animals. Joe has forty-eight monkeys, twenty-five bears, and sixty-seven dogs. Jane looks at Joe’s collection and says she has the same number of stuffed animals. Jane has thirty-four monkeys and fifty-eight bears. How many dogs does Jane have? Show all your mathematical thinking.

Alternative Versions of the Task

More Accessible Version:
Joe and Jane collect the same kinds of stuffed animals. Joe has forty-two monkeys, twenty-one bears, and sixty-six dogs. Jane looks at Joe’s collection and says she has the same number of stuffed animals. Jane has thirty-six monkeys and thirty-three bears. How many dogs does Jane have? Show all your mathematical thinking.

More Challenging Version:
Joe and Jane collect the same kinds of stuffed animals. Joe has forty-eight monkeys, twenty-five bears, eighteen cats, and sixty-seven dogs. Jane looks at Joe’s collection and says she has the same number of stuffed animals. Jane has thirty-four monkeys, fifty-eight bears, and twenty-eight cats. How many dogs does Jane have? Show all your mathematical thinking.

Common Core Content Standards and Evidence

2.NBT Number and Operations in Base Ten
Use place value understanding and properties of operations to add and subtract.

6. Add up to four two-digit numbers using strategies based on place value and properties of operations.

Exemplars Task-Specific Evidence
This task requires students to use properties of operations and place value to add three two-digit numbers. Students are also expected to use their understanding that the equal sign represents a relationship in which expressions on either side of the equal sign represent the same value(s).

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
- Model
- Table
- Diagram/Key
- Number line
- Total/Sum
- Part/Whole
- Odd/Even
- Left/Right
- Amount
- Difference
- Equation
- Addends
- Dozen
- More than (>)/Greater than (>)/Less than (<)
- Equivalent/Equal to

Possible Solutions
**Original Version:**
Jane has 48 dogs.

<table>
<thead>
<tr>
<th>Stuffed Animal</th>
<th>How Many</th>
<th>Total Stuffed Animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monkey</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Bear</td>
<td>25</td>
<td>73</td>
</tr>
<tr>
<td>Dog</td>
<td>67</td>
<td>140</td>
</tr>
</tbody>
</table>

Jane's Stuffed Animals

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Monkey</td>
<td>34</td>
<td>34</td>
</tr>
<tr>
<td>Bear</td>
<td>58</td>
<td>92</td>
</tr>
<tr>
<td>Dog</td>
<td>48</td>
<td>140</td>
</tr>
</tbody>
</table>

Jane has 48 dogs.

Joe's Stuffed Animals

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Jane's Stuffed Animals

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Jane has 48 dogs.

Jane's Stuffed Animals

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</table>
**More Accessible Version:**
Jane has 60 dogs.

**More Challenging Version:**
Jane has 38 dogs.

**Possible Connections**
Below are some examples of mathematical connections. Your students may discover some that are not on this list.

- 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.