Addition and Subtraction Equations

You can make a model of the information. Use the model to write an equation.

Today, Aki read 6 more pages of her book than she read yesterday. Today she read 26 pages. How many pages did she read yesterday?

<table>
<thead>
<tr>
<th>Today 26 pages</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yesterday: $n$</td>
<td>Difference: 6</td>
<td></td>
</tr>
</tbody>
</table>

\[
\text{Yesterday} + \text{difference} = \text{today}
\]

\[
\begin{align*}
\quad n & \quad + \quad 6 & = \quad 26 \\
\quad n & \quad = \quad 20 \\
\end{align*}
\]

Aki read 20 pages yesterday.

Write the equation shown by the model. Then solve the equation.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>28 children</td>
<td></td>
<td>17 children</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$b$</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Use mental math to solve the equations. Use models if necessary.

3. $g + 7 = 32$

4. $84 - m = 52$

5. $21 + v = 41$

6. $r - 56 = 90$

7. $88 + j = 97$

8. $s - 47 = 83$

9. $2 + m = 5$

10. $a - 100 = 0$

Problem Solving

Write an equation to solve the problem.

11. Shannon had a coupon for popcorn at the movies. The original price of the popcorn was $3.10. Shannon only had to pay $1.75. What was the value of the coupon?

Show Your Work

Use with text pages 40–41.