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|  | Example 3: Use the number line to determine |
|  | What number must be added to -3 to get 7 . |
|  | $\longleftrightarrow 1 \begin{array}{lllllllllllllll}  & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \end{array}$ |
|  |  |
|  | Answer the following homework questions. |
|  | In Exercises 1-15, use a number line to evaluate each expression. |
|  | 1) $-5+10$ 6) $3+4$ 11) $5+4+5$ |
|  | 2) $-2+10$ 7) $7+2$ 12) $3+8+7$ |
|  | 3) $-8+10$ 8) $4+5$ 13) $-8+6+8$ |
|  | 4) $-1+10$ 9) $5+1$ 14) $-4+2+4$ |
|  | 5) $-9+10$ 10) $6+0$ 15) $-15+10+20$ |
| objective 3 | Write a mathematical expression using words. |
| Definition | The sum of two numbers $a$ and $b$ is written $a+b$. The word sum indicates addition. |
|  | Example 4: using the word sum, write " $4+9$ " |
|  | as a word statement. Find the value of the sum. |
|  | Answer: The sum of four and nine. The value of the sum is 13. |
|  | Example 5: using the word sum, write " $-3+8$ " as a word statement. Find the value of the sum. |
|  |  |
| Page 2 of 7 | Answer: The sum of negative three and eight. The value of the sum is 5 . |



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| Objective 5 | Understand Perimeter |
|  | The perimeter of a shape is defined to be the |
|  | sum of its side lengths. We often use the |
|  | capital letter __ to represent perimeter. |
|  | For rectangles: |
|  | This side length is labeled as the $\qquad$ of the rectangle. |
|  | This side length is labeled as the $\qquad$ of the rectangle. |
|  | Example 6: Find the perimeter of the rectangle. |
|  | 3 in |
|  | 7 ln |
|  | $P=\ldots+\ldots+$ |
|  | Note: Don't forget to include the units of measurement in your final answer! |


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|  | Example 7: Find the perimeter of the figure. ? |
|  | ? |
|  | 5 cm a cm |
|  | 2 cm |
|  | 14 cm |
|  | Notice that we must first find the two |
|  | missing side lengths of the figure before we |
|  | find its perimeter. |
|  | Let's begin by finding the missing |
|  | horizontal side length. Since the sum of the |
|  | missing length and the 9 cm length must |
|  | equal 14 cm , we ask ourselves "what number |
|  | do we add to 9 to get 14?" The answer is |
|  | Next we find the missing vertical side |
|  | length. Since the sum of the missing length |
|  | and the 2 cm length must equal 5 cm , we |
|  | ask ourselves "what number do we add to 2 to |
|  | get 5?" The answer is |
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