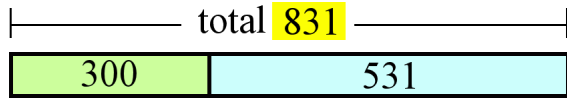


The Connection with Addition and Subtraction

In this model, two parts make a total:



The parts are 300 and 531. The total is 831. You can think of it as a stick or a board that is 831 cm long.

From this model we can write the addition:

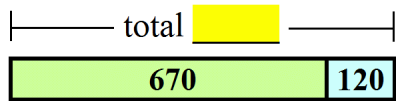
$$300 + 531 = 831$$

We can also write two subtractions:

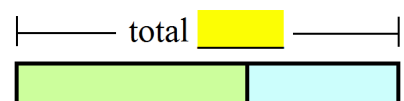
$$831 - 300 = 531$$

$$831 - 531 = 300$$

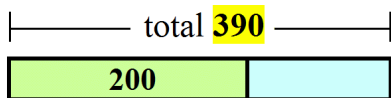
1. Write one addition and two subtraction sentences to match the model.



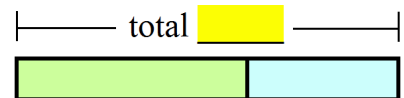
a. $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



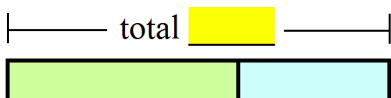
b. $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $99 - 65 = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



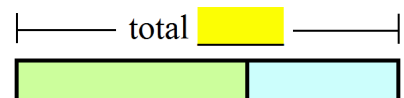
c. $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



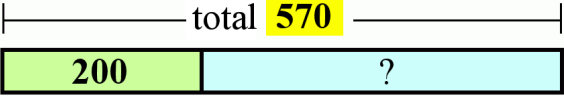
d. $199 + \underline{\hspace{2cm}} = 400$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$



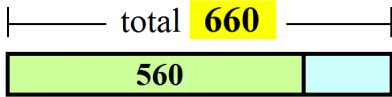
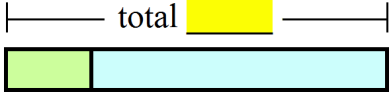
e. $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $95 - \underline{\hspace{2cm}} = 28$



f. $\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 $1,000 - \underline{\hspace{2cm}} = 440$
 $\underline{\hspace{2cm}} - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

<p>Sometimes you know the total and one part, but you do not know the other part.</p>	
<p>You can write a “how many more” addition: $200 + \underline{\quad ? \quad} = 570$ (200 and how many more makes 570?)</p>	<p>You can also write a subtraction sentence: $570 - 200 = \underline{\quad ? \quad}$</p>
<p>The unknown part (marked with ?) is 370.</p>	

2. Fill in the missing parts so that the addition and subtraction sentences match the model.

<p style="text-align: center;">  </p> <p>a. $\underline{\quad \quad} + \underline{\quad \quad} = \underline{\quad \quad}$ $\underline{\quad \quad} - \underline{\quad \quad} = \underline{\quad \quad}$</p>	<p style="text-align: center;">  </p> <p>b. $200 + \underline{\quad \quad} = 900$ $\underline{\quad \quad} - \underline{\quad \quad} = \underline{\quad \quad}$</p>
---	--

3. Draw a model to match the addition or subtraction sentence. Fill in the missing parts.

<p>a. $\underline{\quad \quad} + \underline{\quad \quad} = \underline{\quad \quad}$ $965 - 400 = \underline{\quad \quad}$</p>	<p>b. $701 + \underline{\quad \quad} = 830$ $\underline{\quad \quad} - \underline{\quad \quad} = \underline{\quad \quad}$</p>
--	--

4. Solve the problems. Write a “how many more” addition and a subtraction to match them.

- | | |
|---|--|
| <p>a. Ann needs 56 pins for a sewing project. She only has 41.
How many more does she need?</p> | $\underline{\quad \quad} + \underline{\quad \quad} = \underline{\quad \quad}$
$\underline{\quad \quad} - \underline{\quad \quad} = \underline{\quad \quad}$ |
| <p>b. You are on page 224 of a book that has 380 pages.
How many pages are left to read?</p> | $\underline{\quad \quad} + \underline{\quad \quad} = \underline{\quad \quad}$
$\underline{\quad \quad} - \underline{\quad \quad} = \underline{\quad \quad}$ |