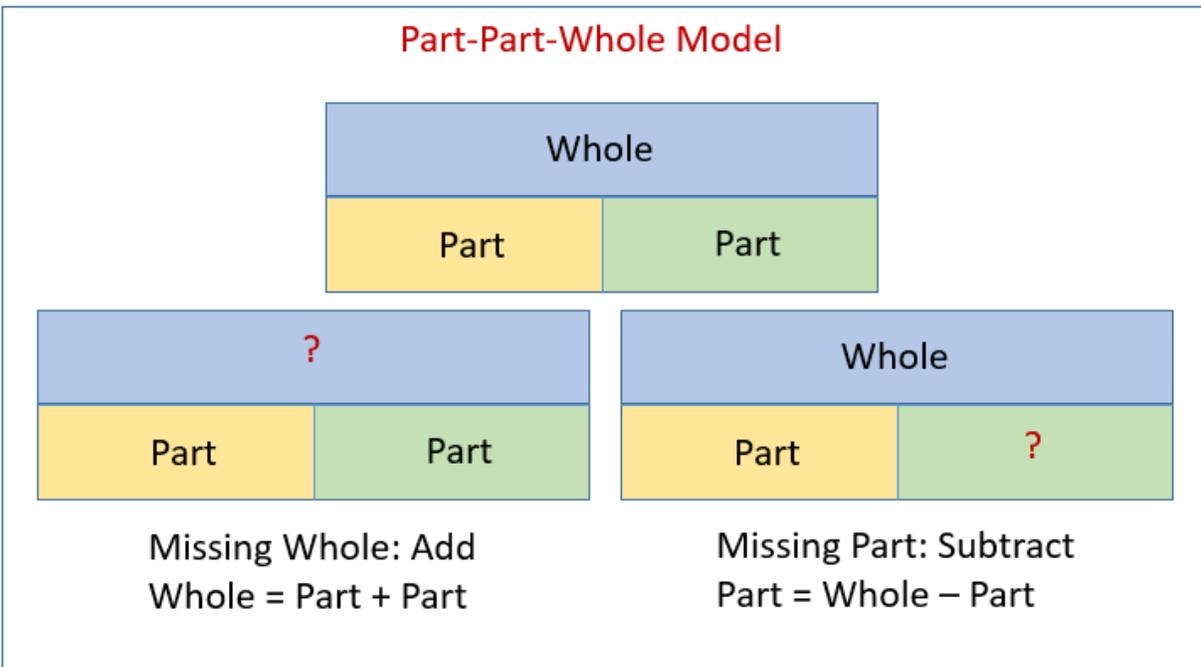


Model Drawing Examples: Addition & Subtraction



Missing Whole or Whole Unknown

Example: Connie has 15 red marbles and 28 blue marbles. How many marbles does she have?

We are given the parts and we need to find the whole. This would involve addition.

$$15 + 28 = 43$$

	Answer statement	Model Drawing	Calculation						
Example 1	Connie has <u>43</u> total marbles.	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">Total Marbles (?)</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">28</td> </tr> <tr> <td style="text-align: center;">Red marbles</td> <td style="text-align: center;">Blue marbles</td> </tr> </table>	Total Marbles (?)		15	28	Red marbles	Blue marbles	$15 + 28$ $(10 + 5) + (20 + 8)$ $10 + 20 = 30$ $5 + 8 = 13$ $30 + 13 = 43$
Total Marbles (?)									
15	28								
Red marbles	Blue marbles								

Missing Part or Part Unknown

Example: Connie has 43 marbles. 15 are red and the rest are blue. How many blue marbles does Connie have?

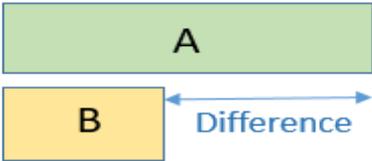
We are given the whole and we need to find the part. This would involve subtraction.

$$43 - 15 = 28$$

	Answer statement	Model Drawing	Calculation
Example 2	Connie has <u>28</u> blue marbles.		$43 - 15$ *Adding up strategy: $15 + 5 = 20$ $20 + 20 = 40$ $40 + 3 = 43$ Answer: $20 + 5 + 3 = 28$

Comparison Model Drawing Example

Comparison Word Problems



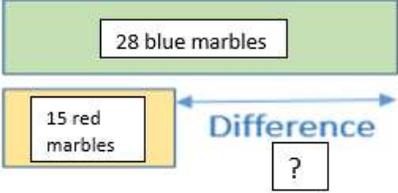
Difference Unknown: $\text{Difference} = A - B$
Unknown Big: $A = B + \text{Difference}$
Unknown Small: $B = A - \text{Difference}$

Difference Unknown

Connie has 15 red marbles and 28 blue marbles. How many more blue marbles than red marbles does Connie have?

This is a subtraction problem.

$$28 - 15 = 13$$

	Answer statement	Model Drawing	Calculation
Example 3	Connie has <u>13</u> more blue marbles than red marbles.		$28 - 15$ *Adding up strategy: $15 + 5 = 20$ $20 + 8 = 28$ $8 + 5 = 13$