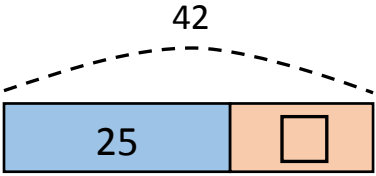
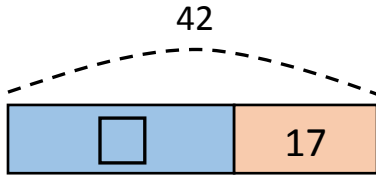


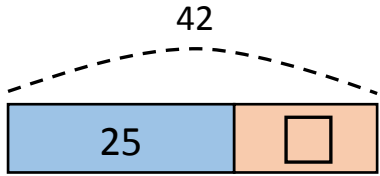
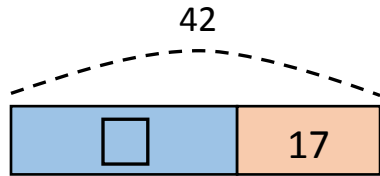
Structures Lesson – Puzzle Pieces

Instructions: Cut along the solid or dashed lines to create puzzle pieces for reassembly onto the puzzle templates.

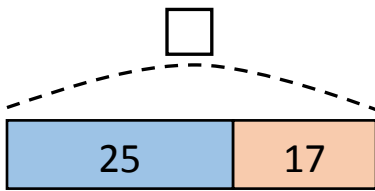
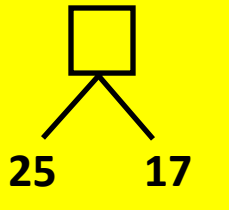
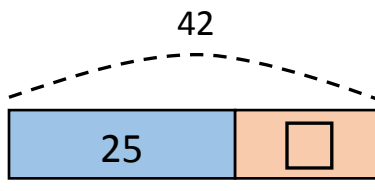
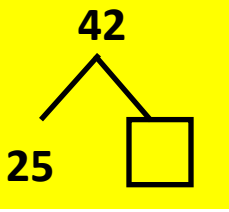
Add to (or *Join*) Problems

<p>Result Unknown</p> <p>Sonja had 25 buttons. She got 17 more buttons. How many does she have now?</p>	$25 + 17 = \square$	
<p>Change Unknown</p> <p>Sonja had 25 buttons. After she got some more buttons, she had 42 buttons. How many buttons did she get?</p>		
	<p>Situation equation (models the situation):</p> $\square + 17 = 42$ <p>Solution equation (could be used to solve):</p> $42 - 17 = \square$	

Take From (or *Separate*) Problems

<p>Result Unknown Sonja had 42 buttons. She gave away 25. How many does she have now?</p>		
	<p>Situation equation (models the situation): $42 - \square = 17$</p> <p>Solution equation (could be used to solve): $42 - 17 = \square$</p>	
<p>Start Unknown Sonja had some buttons. After she gave away 25, she had 17 left. How many buttons did Sonja have before?</p>	<p>Situation equation (models the situation): $\square - 25 = 17$</p> <p>Solution equation (could be used to solve): $25 + 17 = \square$</p>	

**Put Together/Take Apart (or
Part-Part-Whole) Problems**

	$25 + 17 = \square$ 	<p>Number bond</p> 								
	<p>Situation equation: $25 + \square = 42$ Solution equation: $42 - 25 = \square$</p> 	<p>Number bond</p> 								
	<table style="width: 100%; text-align: center;"> <tr> <td>$7 = 7 + 0$</td> <td>$7 = 0 + 7$</td> </tr> <tr> <td>$7 = 6 + 1$</td> <td>$7 = 1 + 6$</td> </tr> <tr> <td>$7 = 5 + 2$</td> <td>$7 = 2 + 5$</td> </tr> <tr> <td>$7 = 4 + 3$</td> <td>$7 = 3 + 4$</td> </tr> </table>		$7 = 7 + 0$	$7 = 0 + 7$	$7 = 6 + 1$	$7 = 1 + 6$	$7 = 5 + 2$	$7 = 2 + 5$	$7 = 4 + 3$	$7 = 3 + 4$
$7 = 7 + 0$	$7 = 0 + 7$									
$7 = 6 + 1$	$7 = 1 + 6$									
$7 = 5 + 2$	$7 = 2 + 5$									
$7 = 4 + 3$	$7 = 3 + 4$									

Compare Problems

Difference Unknown

Sonja has 42 buttons.

Jax has 25 buttons.

(Version with “more”):

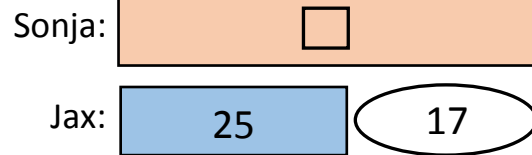
How many more buttons does Sonja have than Jax?

(Version with “fewer”):

How many fewer buttons does Jax have than Sonja?

$$25 + \square = 42$$

$$42 - 25 = \square$$



$$25 + 17 = \square$$

$$\square - 17 = 25$$

Smaller Unknown

Sonja has 42 buttons.

(Version with “more”):

Jax has 17 fewer buttons than Sonja.
How many buttons does Jax have?

(Version with “fewer”):

Sonja has 17 more buttons than Jax.
How many buttons does Jax have?

