

To be able to find links between addition and subtraction facts (within number bonds to 20)



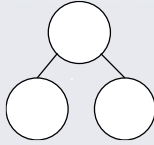
Starter:

What's the same? What's different?

$$5 + 4 = 9$$

$$5 = 9 - 4$$

Use a part-whole model to help you find similarities and differences between the two number sentences above.

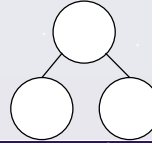


To be able to find links between addition and subtraction facts



Activity 1:

Looking at the mathematics equipment below, how many number sentences can you write?



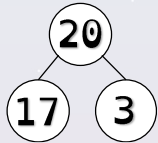
<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> - <input type="text"/> = <input type="text"/>
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Activity 2:

Write 7 more number sentences that match the part-whole model below.



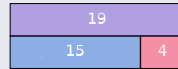
$17 + 3 = 20$	<input type="text"/> - <input type="text"/> = <input type="text"/>
<input type="text"/> = <input type="text"/> + <input type="text"/>	<input type="text"/> = <input type="text"/> - <input type="text"/>
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Activity 3:

Looking at the bar model below, write the 8 number sentences to match it.



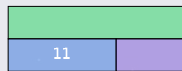
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<input type="text"/> = <input type="text"/> + <input type="text"/>	<input type="text"/> = <input type="text"/> - <input type="text"/>
<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> - <input type="text"/> = <input type="text"/>
<input type="text"/> = <input type="text"/> + <input type="text"/>	<input type="text"/> = <input type="text"/> - <input type="text"/>

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Activity 4:

Complete the incomplete bar model below. It has a total of 20. Then complete the matching number sentences.

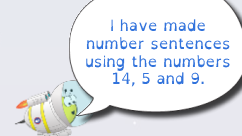


<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> - <input type="text"/> = <input type="text"/>
<input type="text"/> = <input type="text"/> + <input type="text"/>	<input type="text"/> = <input type="text"/> - <input type="text"/>
<input type="text"/> + <input type="text"/> = <input type="text"/>	<input type="text"/> - <input type="text"/> = <input type="text"/>
<input type="text"/> = <input type="text"/> + <input type="text"/>	<input type="text"/> = <input type="text"/> - <input type="text"/>

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Evaluation:



$14 + 5 = 9$	$19 - 14 = 15$
$19 = 14 + 5$	$5 = 19 - 4$
$5 + 14 = 19$	$14 - 19 = 5$
$19 = 5 + 14$	$5 = 14 - 9$

Astrobee has made some mistakes – have you spotted them? Explain what needs to be done to correct Astrobee's mistakes.