

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

**MathShed**

**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

**MathShed**

**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"/>
<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"/>

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

**MathShed**

**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"/>

<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"/>

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

**MathShed**

**Activity 3:**  
Looking at the bar model below, write the 8 number sentences to match it.

<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"/>

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

**MathShed**

**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"/>

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

**MathShed**

**Evaluation:**

I have made number sentences using the numbers 14, 5 and 9.

14	+	5	=	9
19	=	14	+	5
5	+	14	=	19
19	=	5	+	14

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

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