

SPIRAL Activity Guide

Total Schema

Let's use the Total equation to solve our word problem!

First let's write our Total equation. What is our Total equation?

$$P1 + P2 = T.$$

Good. We write the Total equation: P1 plus P2 equals T. In a Total problem, parts are put together into a total. The Total equation, P1 plus P2 equals T, helps us remember how to write our number sentence for a Total problem.

(Writes.)

Now, we need to find the total. Does the problem give us the total or ask us to find the total?

<p><i>If T is missing:</i> This problem asks us to find the total. That's what's missing. We have to find T. What should we write under T?</p> <p>A blank.</p> <p>(Writes.)</p>	<p><i>If T is a number:</i> This problem tells us the total is ___. Where should we write ___?</p> <p>Underneath T.</p> <p>(Writes and checks off the number.)</p>
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Next we need to think about the story and figure out the parts. What are the parts?

___ and ___.

<p><i>If P1 is a number and P2 is missing:</i> This problem tells us about one of the parts and asks us to find the other part. So, __ is P1. Where should we write __?</p> <p>Under P1.</p> <p>(Writes and checks off the number.)</p> <p>The other part is missing. We have to find P2. What should we write under P2?</p> <p>A blank.</p> <p>(Writes.)</p>	<p><i>If P1 and P2 are numbers:</i> This problem tells us P1 and P2. Where should we write __ and __?</p> <p>Underneath P1 and P2.</p> <p>(Writes and checks off the numbers.)</p>
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What should we do next?

Write the signs.

Good. What math signs do we need to complete our number sentence?

+ and =.

Does this look like a number sentence we know how to solve?

Yes!

Let's read the number sentence together.

Read number sentence aloud with the student.

Let's solve for blank!

After you find blank, label the number answer with the word underlined in the problem.

The last thing we need to do is check to see if our answer makes sense.

Does this answer make sense? Why?

(Student explains.)