

How to Use the 4-group Math Subtraction to Ten Checklist

The Checklist is generic. It is used for 3-10, even though the pictures show the activities for subtraction from 4.

Write your name here.

#1) On an *Addition or Subtraction to Ten Block Board* build all the two block (number) combinations for your number, i.e. for 4: 4 & 0, 3 & 1, 2 & 2.

Then, **physically** taking each block away tell a friend all your subtraction equations remembering to switch the partners- see **NOTE** box for how this is done. When you finish each activity, put a sticker in the Stickers column.

#2) Make all the two 4-group Number Pattern combinations for your number using two colors of multi-link cubes. You do not need to connect the two number partners together. Then, **physically** taking each number away tell a friend all your subtraction equations remembering to switch the partners.

#3) On a *Recording Sheet* for the number you are working on, make all the two 4-group Number Pattern combinations using one color (crayons, stamps, dot art). Circle & then cross out the whole number pattern that represents the equation shown below the picture. Write over each equation as you finish its picture. Then cover up the equations and looking just at the pictures, tell a friend all the equations.

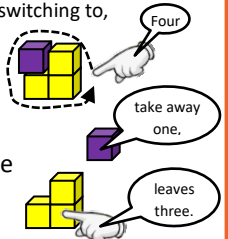
#7) On a blank piece of paper write from memory all the subtraction equations for your number, including the switched partners. An adult "tests" the student by asking them to recite all of their equations (in any order). Then the adult says each equation and asks the student to give the answer, i.e. the adult says $4-1=$ and the student answers $4-1=3$. Continue until all equations are said, including the *switched* partners.

<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> - Name </div> <div style="text-align: center; font-size: 2em; margin-top: 20px;">Lynn</div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">4</div> <div style="border: 1px solid black; width: 40px; height: 40px; position: relative;"> <!-- 4-group grid --> </div> </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">4</div> <div style="text-align: center;"> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center;"> Block Boards Stickers </div> <div style="text-align: center; margin-top: 20px;"> </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center;"> Multilink Cubes </div> <div style="text-align: center; margin-top: 20px;"> </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center;"> Recording Sheets </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center;"> Playing Card Subtraction </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center;"> Recording Sheets </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center;"> Flip Cards </div> </div>
<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center; margin-top: 10px;"> Write your equations and get tested. <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border-bottom: 1px solid black; width: 30px; margin-right: 5px;"></div> <div style="margin-right: 5px;">-</div> <div style="border-bottom: 1px solid black; width: 30px; margin-right: 5px;"></div> <div style="margin-right: 5px;">=</div> </div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: center; margin-top: 20px;"> You passed. Yeah! </div> </div>

Write the number you are subtracting from. Fill in the 4-group Number Pattern for that number.

NOTE: *Begin with the language; take away leaves , eventually switching to, minus equals .

Circle the whole 4-pattern with your finger and say, "Four." Physically take away the 1-block and say, "Take away one."



Touch the 3-block and say, "Leaves three." Switch the partners - circle the whole 4-pattern with your finger and say, "Four." Physically take away the 3-block and say, "Take away three." Touch the 1-block and say, "Leaves one."

#4) Follow the directions for Playing Card Subtraction.

#5) Same as #3, but this is done with "Candy & Color." An adult gives the student the number they are working on of fish crackers, candy (or other item) of one color. Build the number combinations one at a time, then, push the crackers/candy off the squares as you record your work with the same color crayon. Finish as in #3.

#6) Use the 4groupMath Addition or Subtraction to Ten Flip Cards. Say what number was taken away from the number shown at the top of the card to leave the number pattern that is showing. *Flip* the card to self-check. The example shown is $4 - \underline{\quad} = 3$. (Answer is 1) Then, flip all the cards over and repeat the process. Continue until you give the correct answer for each card.

#8) Put a special sticker here if you get all answers correct in #7. If you do not pass in #7, pick two activities to repeat. You may repeat Candy & Color as a third choice. 😊