

Helping Hank

Your Challenge

Hank is making a 120 chart. He has already placed 2 numbers. Hank now wants to place the following 10 numbers.

116 73 91 112 79 84 87 104 99 110

Write the 10 numbers on Hank's 120 chart to show where he should place them.

		73						79	
			84			87	88		
91								99	
			104	105					110
	112				116				

What strategy did you use to decide where to put 99? 73?

Answers will vary. Look for strategies that include moving by tens and ones, and that show understanding of patterns on the chart. For example, all the numbers in one column have the same digit in the ones place.



Comparing Cards**Your Challenge**

Ellen and Joe are playing a game. They each add the numbers on their cards. The player with the greater total wins.

1. Add the numbers on the cards.
2. Write each total.
3. Write $<$, $>$, or $=$ in the circle to compare the totals.

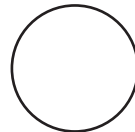
Ellen



Joe



Totals: _____

 $18 > 17$

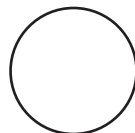
Ellen



Joe



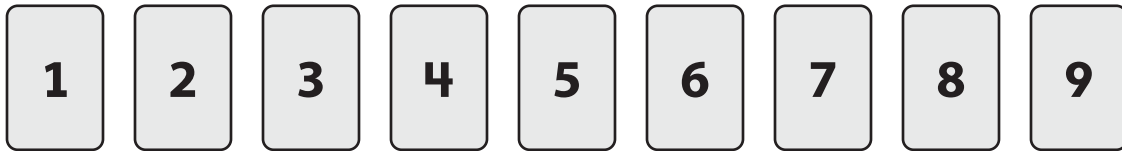
Totals: _____

 $18 = 18$



Comparing Cards

Answers will vary. Check that totals match cards and inequalities match totals.



Fill in the blank cards and complete the comparison.

<p>Ellen</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">3</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">6</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">1</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">4</div> </div> <p>Totals: <u> 14 </u></p>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> > </div>	<p>Joe</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div> <p>_____</p>
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Make Ellen win by 1.

<p>Ellen</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div> <p>Totals: _____</p>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> ○ </div>	<p>Joe</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div> <p>_____</p>
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Make Joe win by 1.

<p>Ellen</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div> <p>Totals: _____</p>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> ○ </div>	<p>Joe</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div> <p>_____</p>
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