



Learn a new puzzle

Greater-Than Grid

Use 1 to 4 once in each row and column. The sign points to the smaller number.

Trick: Follow the arrows

1				2				3			
	①	^	2		1	^	2		1	^	2
∇				∇				∇			
		3				3	①		④	3	1
∇				∇				∇			

The sign opens toward row 2, column 3, so it is bigger. Now row 2 has one place for the 1.

Look at row 3. Only one square can hold the 1.

Look at row 3. Only one square can hold the 4.

Try it

		3	
^			^
		>	
2	<		

The answer is with the other answers.

Talk about it: Ask: Which square is bigger, and how do you know?



		4	
∨			
3	∧		
		∧	
			<

A 4x4 grid of boxes. The second row, second column contains the number 2. The third row, first column contains the number 1. The fourth row, second column contains the number 3. A greater-than symbol (>) is between the 2 and the box at (2,3). A less-than symbol (<) is between the 1 and the box at (3,2). A checkmark (✓) is below the 1. Another checkmark (✓) is below the box at (3,3).



- 3 **Greater-Than Grid** Use 1 to 4 once in each row and column. The sign points to the smaller number. ☆

	<	2	
∨			
2		>	

- 4 **Greater-Than Grid** Use 1 to 4 once in each row and column. The sign points to the smaller number. ☆

1			
		∧	
3		<	<



- 5 **Greater-Than Grid** Use 1 to 4 once in each row and column. The sign points to the smaller number. ☆ ☆

	3	>		
	4			
				↓
				↑

- 6 **Greater-Than Grid** Use 1 to 4 once in each row and column. The sign points to the smaller number. ☆ ☆

	>			
		↓		
				<
↑			1	
			>	



7

Greater-Than Grid

Use 1 to 4 once in each row and column. The sign points to the smaller number.



	3		

8

Greater-Than Grid

Use 1 to 4 once in each row and column. The sign points to the smaller number.



	4		
2			



9

Greater-Than Grid

Use 1 to 4 once in each row and column. The sign points to the smaller number.



	>			
	2			
				↓
				↓
			<	

10

Greater-Than Grid

Use 1 to 4 once in each row and column. The sign points to the smaller number.



			2
^			
^	^		<
		<	



Answers For grown-ups. Cut off or keep this page aside until the puzzles are done.

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1	4	3	2
3	1	2	4
4	2	> 1	3
2	< 3	4	1

#1

2	3	4	1
1	2	3	4
3	4	1	2
4	1	2	< 3

The sign opens toward row 4, column 4, so it is bigger. A bigger number can't be 1.

#2

3	1	4	2
4	2	> 1	3
2	< 4	3	1
1	3	2	4

The sign points to row 4, column 1, so it is smaller. A smaller number can't be 4.

#3

4	1	3	2
3	< 4	2	1
1	2	4	3
2	3	> 1	4

The sign points to row 3, column 1, so it is smaller. A smaller number can't be 4.

#4

4	2	1	3
1	4	3	2
2	3	4	1
3	1	< 2	< 4

The sign points to row 4, column 3, so it is smaller. A smaller number can't be 4.

#5

4	3	> 2	1
2	4	1	3
3	1	4	2
1	2	3	4

Row 3, column 4 is smaller than row 2, column 4, which is 3 at most. So it can't be 3.

#6

3	> 2	4	1
2	1	3	< 4
4	3	1	2
1	4	> 2	3

Row 1, column 1 is bigger than a chain of 2 squares. So it must be 3 or more.

#7

2	> 1	4	> 3
3	4	1	< 2
1	2	< 3	4
4	3	2	1

Row 2, column 1 is bigger than a chain of 2 squares. So it must be 3 or more.

#8

1	4	2	< 3
3	2	1	4
2	3	4	1
4	1	3	2

Row 3, column 2 can only be 3. Every other number is ruled out.



Answers For grown-ups. Cut off or keep this page aside until the puzzles are done.

#9

4	>	3	2	1
1		2	3	4
2	1	4	3	
3	4	1	<	2

Row 1, column 2 can only be 3. Every other number is ruled out.

#10

1	4	3	2	
3	1	2	4	
4	2	1	<	3
2	3	<	4	1

Row 1, column 1 is smaller than a chain of 2 squares. So it can be 2 at most.