



Greater-Than Grid

Trick: Chains and hidden pairs

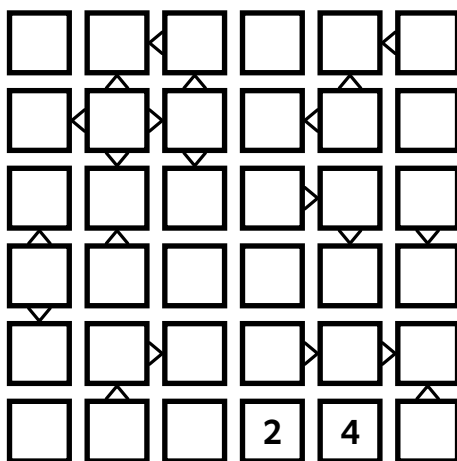
A 7x6 grid of squares. The grid contains the following features:

- Row 1: All squares are empty.
- Row 2: Square (2,1) has a downward-pointing triangle. Square (2,3) has a rightward-pointing triangle. Square (2,6) contains a circle.
- Row 3: Square (3,2) has a leftward-pointing triangle. Square (3,5) is shaded gray and has a leftward-pointing triangle. Square (3,6) is shaded gray.
- Row 4: Square (4,3) has an upward-pointing triangle. Square (4,5) is shaded gray and has a downward-pointing triangle.
- Row 5: Square (5,2) has a rightward-pointing triangle. Square (5,4) has an upward-pointing triangle.
- Row 6: Square (6,2) has a leftward-pointing triangle. Square (6,3) has an upward-pointing triangle. Square (6,4) has a downward-pointing triangle. Square (6,5) has an upward-pointing triangle.

A 6x6 grid of squares. The top row has the 5th square shaded gray. The 2nd row has the 5th square shaded gray. The 3rd row has the 1st square shaded gray. The 4th row has the 3rd square shaded gray. The 5th row has the 1st square shaded gray. The 6th row has the 3rd square shaded gray. Arrows are present in the following positions: (1,2) down, (2,3) right, (3,2) left, (3,6) left, (4,3) up, (4,5) down, (5,2) right, (6,1) left, (6,4) down, (6,5) up.

A 6x6 grid of squares. The squares are arranged in 6 rows and 6 columns. The squares are mostly white, but the square at row 2, column 5 is shaded gray. The square at row 6, column 5 is circled and contains the number 4. Arrows are placed between some squares: a downward arrow between (1,1) and (2,1); a rightward arrow between (2,2) and (2,3); a leftward arrow between (3,1) and (3,2); a rightward arrow between (3,5) and (3,6); a downward arrow between (3,6) and (4,6); an upward arrow between (4,3) and (5,3); a downward arrow between (4,5) and (5,5); a rightward arrow between (5,1) and (5,2); an upward arrow between (5,3) and (6,3); a downward arrow between (5,4) and (6,4); a rightward arrow between (6,4) and (6,5); and an upward arrow between (6,5) and (6,6).

Try it



Talk about it: Ask: Where can the 5 go in this row? And the 6?



1

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



	>				
	^				^
	>	5	>		
		^		^	
	>				
		^		^	
			<		
	<		<	3	
	^	^	^		



2

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



		>			
∨		∨			
	<				<
∧		∧			∨
	<	3			
			∨		
	∨	∨	∨		
	∨	∨	∧		∧
				<	3



3

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



	>			4	<		
	<				<		
	>	3					
	<				<		
	>						
	<						



Greater-Than Grid



5

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



	1				>	
^		<				
			^	^		
				<		
^	^	^				
				<		^
	^	<				^



6

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



		2			
↓				↓	
	>	<		<	
	↑	↓			
		<	>	>	
	↓	↓			
			>		
↑	↓			↑	
					>



Greater-Than Grid

☆☆

1



Greater-Than Grid

© 2026 Mathy Puzzles · Free to print and share · New puzzles every week at mathypuzzles.com



9

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



		>		>	
^	v				
	>				<
					^
		<	>		
		^		v	v
				>	
v		^			
		>		<	<
					v



10

Greater-Than Grid

Use 1 to 6 once in each row and column. The sign points to the smaller number.



		<		<			<	
					∨		∧	
				<				
			<					
	>				>			
∧			∧				∧	
	>							
		<		<			∧	



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

Learn • Greater-Than Grid

6	2	3	4	1	5
2	5	4	3	6	1
4	1	2	5	3	6
5	3	6	1	2	4
3	4	1	6	5	2
1	6	5	2	4	3

#1

3	1	6	4	5	2
6	5	3	1	2	4
5	3	4	2	1	6
1	2	5	6	4	3
4	6	2	5	3	1
2	4	1	3	6	5

Row 6, column 1 is smaller than a chain of 2 squares. So it can be 4 at most.

#2

5	6	2	1	3	4
3	4	1	2	5	6
4	5	3	6	1	2
1	3	6	4	2	5
6	2	5	3	4	1
2	1	4	5	6	3

Row 2, column 1 is smaller than a chain of 2 squares. So it can be 4 at most.

#3

6	2	1	4	5	3
1	5	2	3	6	4
4	3	5	1	2	6
5	6	4	2	3	1
2	1	3	6	4	5
3	4	6	5	1	2

Row 5, column 6 is bigger than a chain of 2 squares. So it must be 3 or more.

#4

4	2	1	3	5	6
3	1	2	5	6	4
5	4	3	6	2	1
6	3	5	4	1	2
1	6	4	2	3	5
2	5	6	1	4	3

Row 2, column 3 is smaller than a chain of 2 squares. So it can be 4 at most.

#5

5	1	3	4	6	2
6	3	4	2	5	1
2	6	1	3	4	5
3	5	2	6	1	4
4	2	5	1	3	6
1	4	6	5	2	3

Row 3, column 5 is bigger than a chain of 2 squares. So it must be 3 or more.

#6

5	6	2	4	3	1
4	3	6	1	2	5
3	5	1	6	4	2
6	4	5	2	1	3
1	2	4	3	5	6
2	1	3	5	6	4

Row 6, column 2 is smaller than a chain of 3 squares. So it can be 3 at most.

#7

3	2	1	4	6	5
1	6	3	2	5	4
4	3	2	5	1	6
2	1	5	6	4	3
6	5	4	3	2	1
5	4	6	1	3	2

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

#8

4	3	2	6	1	5
6	5	1	2	3	4
5	6	4	3	2	1
2	1	3	4	5	6
3	4	5	1	6	2
1	2	6	5	4	3

In row 6, two squares can only be 2 or 3. So no other square there can be 2 or 3.



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

#9

3	5	2	4	1	6
6	4	1	5	2	3
4	2	3	1	6	5
2	3	4	6	5	1
1	6	5	2	3	4
5	1	6	3	4	2

In row 3, two squares can only be 1 or 2. So no other square there can be 1 or 2.

#10

6	1	2	3	4	5
2	5	4	1	3	6
3	6	1	4	5	2
4	3	5	6	2	1
5	4	6	2	1	3
1	2	3	5	6	4

In column 5, 5 and 6 fit in only two squares. So those two squares hold 5 and 6, nothing else.