



UALITIES

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TABLE-SELECTION GAME

Select one correct answer for each of the questions in the test and press the Finish button at the end. The answers will be validated automatically.



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For each of the given equations and inequalities, where *x* is a positive integer, choose the correct solution set. (Don't use a calculator.)

1.	$\binom{9}{5} = \binom{9}{x}$			
2.	( <i>x</i> +1)!<6 <i>x</i> !			
3.	$\binom{x}{3} + \binom{x}{2} + \binom{x}{1} = 9x$			
4.	$\binom{x+1}{x-1} \leq 15$			
5.	$7x!-6=(x!)^2$			
6.	$5 - \binom{x}{2} \ge \binom{x+2}{x+1}$			
7.	$4\frac{x!}{(x-2)!}-2x=3\binom{x+1}{2}$			
8.	$3\binom{x+1}{2} - x > 2\frac{x!}{(x-2)!}$			







