

								1 / 1							
							1 / 2		1 / 2						
						1 / 3		1 / 6		1 / 3					
				1 / 4		1 / 12		1 / 12		1 / 4					
			1 / 5		1 / 20		1 / 30		1 / 20		1 / 5				
		1 / 6		1 / 30		1 / 60		1 / 60		1 / 30		1 / 6			
		1 / 7		1 / 42		1 / 105		1 / 140		1 / 105		1 / 42		1 / 7	
	1 / 8		1 / 56		1 / 168		1 / 280		1 / 280		1 / 168		1 / 56		1 / 8
1 / n		?													1 / n

second diagonal=1 /n(n-1)

1 / 8 could be written as 1 /(n-1)

1 / 8=1 /n+ ? or

1 /(n-1)=1 /n+ ? ? = 1 /(n-1) - 1 /n so the common denominator =n(n-1)

$$\frac{n}{n(n-1)} - \frac{(n-1)}{n(n-1)} = \frac{n-n+1}{n(n-1)} = \frac{1}{n(n-1)} = ?$$

as n could equal anything, it's always going to be a unit fraction