

The Harmonic Triangle Challenge

Every fraction is the sum of the two fractions below it.

Fill in the circles with the fraction so the pattern continues.

When you're done, make a conjecture about what's happening, and a prediction about something that will happen in the next row. Then fill the next row in and see if you're right!

$\frac{1}{1}$					
$\frac{1}{2}$	$\frac{1}{2}$				
$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{3}$			
$\frac{1}{4}$				$\frac{1}{4}$	
$\frac{1}{5}$					$\frac{1}{5}$
$\frac{1}{6}$					$\frac{1}{6}$