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Let a_1 , a_2 , and a_3 be any three positive integers none of which are multiples of three. For $n \geq 4$ define

$$a_n = \frac{a_{n-3} + a_{n-2} + a_{n-1}}{3^k}$$

where k is the largest non-negative integer such that 3^k divides $(a_{n-3} + a_{n-2} + a_{n-1})$. These sequences are called *3-free Tribonacci sequences*. In this talk we look at various properties of these sequences. (Received September 26, 2017)