

Week of January 22, 2018

Find the sum of the infinite series:

$$\frac{1}{1} + \frac{2}{2} + \frac{3}{4} + \frac{4}{8} + \frac{5}{16} + \frac{6}{32} + \cdots + \frac{n}{2^{n-1}} + \cdots$$

NCTM Mathematics Teacher, Problem 23, February 2017 Calendar