



Find the sum to infinity of the series:  
 $10 - 5 + 2.5 - 1.25 + \dots$

Find the sum to infinity of the series:  
 $1 + 0.1 + 0.01 + 0.001 + \dots$

Find the sum to infinity of the series:  
 $40 + 10 + 2.5 + 0.625 + \dots$

The common ratio is  $\frac{2}{5}$  and the sum to infinity is 60  
 Find the first term

The first term is  $-5$  and the sum to infinity is  $-3$   
 Find the common ratio

Find the sum to infinity of the series:  
 $3 + 1 + \frac{1}{3} + \frac{1}{9} + \dots$

The sum to infinity of a positive geometric series is three times the sum to two terms. Find the common ratio.

The sum to three terms is 6 and the sum to infinity is 8  
 Find the first term

The sum to 4 terms of a positive geometric series is 15 and the sum to infinity is 16. Find the first term.

The first term is 10 and the sum to infinity is 30  
 Find the common ratio

The sum to infinity is twice the first term  
 Find the common ratio

Find the sum to infinity of the series:  
 $9 + 8.1 + 7.29 + 6.561 + \dots$

The sum to infinity is twice the first term  
 Find the common ratio

The sum to three terms is 6 and the sum to infinity is 8  
 Find the first term

The sum to 4 terms of a positive geometric series is 15 and the sum to infinity is 16. Find the first term.

The common ratio is  $\frac{1}{5}$  and the sum to infinity is 10  
 Find the first term

The common ratio is  $\frac{2}{5}$  and the sum to infinity is 60  
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$\frac{10}{6}$

$\frac{160}{3}$

$\frac{13}{3}$

$\frac{20}{3}$

$\frac{2}{3}$

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