

★ 1. Find the sum of all positive 2-digit integers that are not divisible by 3.

2. Write the tenth term of the sequence $2, 2\sqrt{3}, 6, \dots$ in simplest radical form.

3. Which term of the sequence $2, 10, 50, \dots$ is 3,906,250?

4. Geometric means are terms between two given terms of a geometric sequence.

Insert 4 geometric means between $\frac{2}{3}$ and 162.

5. Write in summation notation: $3 - .3 + .03 - .003 + \dots$

6. A certain bacteria culture contains 5000 bacteria and increases by 15% every hour. How many bacteria are present after 12 hours?

7. The first three terms of a geometric sequence are x , $x+2$, and $2x+1$. Find all possible values for a_1 , a_2 , and a_3 .