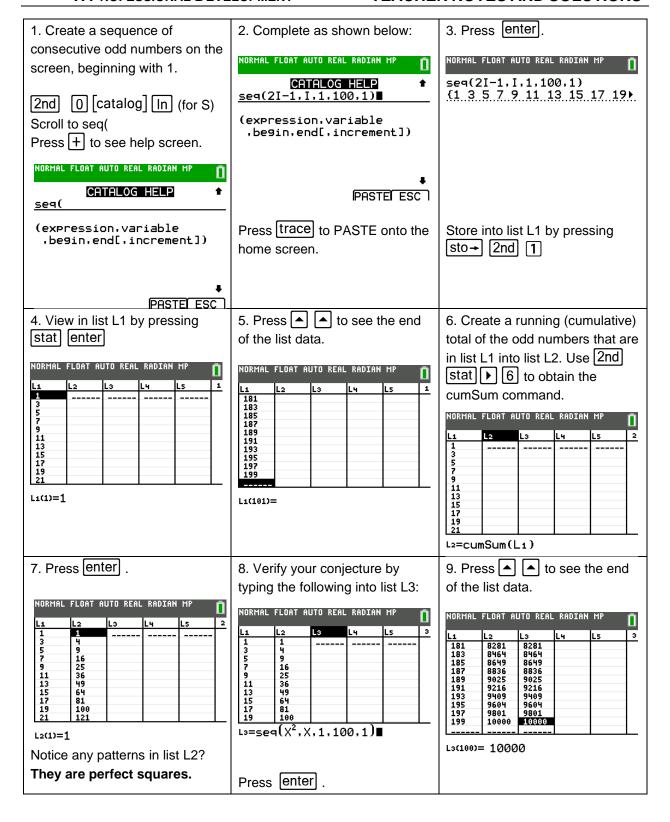


Sequences, Series, Sigma Notation

TI PROFESSIONAL DEVELOPMENT

TEACHER NOTES AND SOLUTIONS





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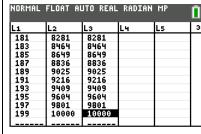
10. What is the sum of the first positive odd numbers? Find your answer by looking in

11. What is the sum of the first positive odd numbers? Find your answer by using the list. sigma notation as shown below: alpha window 2

12. Compare the answers in numbers 10 and 11. They should be the same.

They are!

10,000



NORMAL FLOAT AUTO REAL RADIAN MP $\sum_{I=1}^{100} (2I-1)$

L3(100)= 10000

13. Rewrite using sigma notation:

$$1 + 3 + 5 + ... + (2n - 1)$$

$$= \sum_{i=1}^{n} (2i - 1)$$

14. Rewrite as a single term in terms of n:

$$1 + 3 + 5 + ... + (2n - 1)$$

$$= n^2$$