

Section 1.2
Exercises

Write the following Greek numbers in Hindu-Arabic numerals.

1. κβ
2. μη
3. χνη
4. ωπα
5. φλγ
6. ρμζ
7. β'σιε
8. δ'ψκθ
9. ε'λ
10. θ'τβ

Write the following Hindu-Arabic numbers in Ionic Greek numerals.

11. 436
12. 359
13. 342
14. 765
15. 829
16. 2248
17. 4379
18. 6899
19. 7132
20. 7248

Write the following traditional Chinese numbers in Hindu-Arabic numerals.

- 21.
- 七
十
五

- 22.
- 四
十
三

- 23.
- 九
百
六
十
四

- 24.
- 四
百
三
十
八

- 25.
- 五
百
零
一

26.

三
千
零
四
十
六

27.

二
千
一
百
五
十
九

28.

四
千
零
三

29.

一
千
三
百
二
十
五

30.

六
千
四
百
八
十
二

Write the following Hindu-Arabic numbers in traditional Chinese numerals.

31. 324

32. 758

33. 921

34. 986

35. 1044

36. 2309

37. 7401

38. 5002

39. 4005

40. 2307

41.

- (a). How many symbols are required to represent the number 7,899 as an Ionic Greek number?
- (b). How many symbols are required to represent the number 7,899 as a traditional Chinese numeral?

42.

- (a). How many symbols are required to represent the number 9,879 as an Ionic Greek number?
- (b). How many symbols are required to represent the number 9,979 as a traditional Chinese numeral?

For each of the following pairs of numbers, answer the following questions.

- (a). Write each number in Ionic Greek numerals.
- (b). Write each number in traditional Chinese numerals.
- (c). Add the two numbers and express your answer in Ionic Greek numerals.
- (d). Add the two numbers and express your answer in traditional Chinese numerals.
- (e). In which system, Greek or Chinese, is this sum easiest to calculate?

43. 124 and 344

44. 372 and 324

45. 654 and 345

46. 742 and 647