

## UNIT 16 EXERCISES 11-15

## FRACTIONS

- 1999      13. Define a sequence of real numbers  $a_1, a_2, a_3, \dots$  by  $a_1 = 1$  and  $a_{n+1}^3 = 99a_n^3$  for all  $n \geq 1$ . Then  $a_{100}$  equals
- (A)  $33^{33}$       (B)  $33^{99}$       (C)  $99^{33}$       (D)  $99^{99}$       (E) none of these