UNIT 9 EXERCISES 6-10

BIRTHDAYS

2015A 6. Two years ago Pete was three times as old as his cousin Claire. Two years before that, Pete was four times as old as Claire. In how many years will the ratio of their ages be $2:1$?

(A) 2   (B) 4   (C) 5   (D) 6   (E) 8

2006A 7. Mary is 20% older than Sally, and Sally is 40% younger than Danielle. The sum of their ages is 23.2 years. How old will Mary be on her next birthday?

(A) 7   (B) 8   (C) 9   (D) 10   (E) 11

1999 8. At the end of 1994 Walter was half as old as his grandmother. The sum of the years in which they were born is 3838. How old will Walter be at the end of 1999?

(A) 48   (B) 49   (C) 53   (D) 55   (E) 101

2007B 8. Tom's age is T years, which is also the sum of the ages of his three children. His age N years ago was twice the sum of their ages then. What is T/N?

(A) 2   (B) 3   (C) 4   (D) 5   (E) 6