

UNIT 9 EXERCISES 11-15

BIRTHDAYS

- 2018B 14. Joey and Chloe and their daughter Zoe all have the same birthday. Joey is 1 year older than Chloe, and Zoe is exactly 1 year old today. Today is the first of the 9 birthdays on which Chloe's age will be an integral multiple of Zoe's age. What will be the sum of the two digits of Joey's age the next time his age is a multiple of Zoe's age?
- (A) 7 (B) 8 (C) 9 (D) 10 (E) 11

- 2004B 15. The two digits in Jack's age are the same as the digits in Bill's age, but in reverse order. In five years Jack will be twice as old as Bill will be then. What is the difference in their current ages?
- (A) 9 (B) 18 (C) 27 (D) 36 (E) 45