Answer Key

Workbook Unit 3.3 pages 46,47 and 48

Exercise 3.3

Focus

1 H

2 16   42   106   even

3 odd + odd = ⎯⎯⎯⎯⎯⎯⎯ even

   odd + even = ⎯⎯⎯⎯⎯⎯⎯ odd

   even + even =

4 a Always true, for example, $1 + 3 = 4$,
      $25 + 13 = 38$ (odd + odd = even)

   b Never true. Counter example: $1 + 3 + 5 = 9$
      which is odd (odd + odd = even,
      then even + odd = odd)

Practice

5   17   43   111   odd

6   True   Not true

     ✓

     ✓

         ✓

7   Leroy adds two odd numbers and an even number. Odd + odd + even = even and 33 is odd.

8   odd − odd = even so the statement is never true. Do not accept one numerical answer such as 13 − 9 = 4 and 4 is even.

Challenge

9   16   41   90

     248   511   1308

     even, even, odd

10   true, false, true, false

11   The sum of three odd numbers is 22. ✗