

## Scaffolding for Lesson 1.1, Questions 15 & 16

STUDENT BOOK PAGE 7

- 15.** In the opening hour of a new store, a bell rang every 2 min and lights flashed every 3 min. The store opened at 10 o'clock.

Use the time chart. Circle the minutes that the bell rang with one colour. Circle the minutes that the lights flashed with another colour.

10:01	10:05	10:09	10:13	10:17
10:02	10:06	10:10	10:14	10:18
10:03	10:07	10:11	10:15	10:19
10:04	10:08	10:12	10:16	10:20

What do you notice about the numbers that are circled in both colours?

\_\_\_\_\_

Between 10 o'clock and 11 o'clock, when did the bell ring and the lights flash at the same time?

\_\_\_\_\_

- 16. a)** On an automobile assembly line, every **third** car is green. Every **fourth** car is a convertible.

Underline the numbers of the cars that will be green. Circle the numbers of the cars that will be convertibles.

1    2    3    4    5    6    7    8    9    10    11    12    13  
 14    15    16    17    18    19    20    21    22    23    24    25    26

Every \_\_\_\_\_ car will be a green convertible.

The common multiples of 3 and 4, up to 100, are \_\_\_\_\_

How many cars out of the first 100 will be green convertibles? \_\_\_\_\_

- b)** Which number of car is the first green convertible? \_\_\_\_\_

- c)** Show how common multiples of 3 and 4 helped you solve this problem.

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