

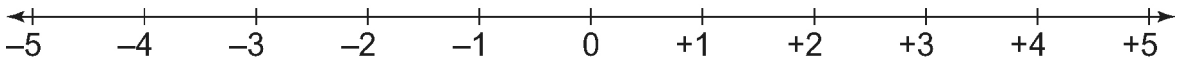
**Lesson 8: What Is an Integer? Name: \_\_\_\_\_**

1. Write an integer to represent each situation.
- a) The temperature is  $8^{\circ}$  below  $0^{\circ}\text{C}$ . \_\_\_\_\_
  - b) The valley was 700 m below sea level. \_\_\_\_\_
  - c) Victor spent \$89 of his savings. \_\_\_\_\_
  - d) The plane flew at an altitude of 20 000 m. \_\_\_\_\_
  - e) Chuck's golf score was 5 under par. \_\_\_\_\_

2. Write the opposite of each integer.
- a)  $+7$  \_\_\_\_\_ c)  $+8$  \_\_\_\_\_
  - b)  $-4$  \_\_\_\_\_ d)  $-17$  \_\_\_\_\_ e)  $+32$  \_\_\_\_\_

3. A photo of a close finish of a race showed:
- Jan 3 m before the finish line
  - Simon 1 m before the finish line
  - Bryn 2 m after the finish line
  - Nikki 4 m after the finish line.

Suppose 0 represents the finish line.  
Use first initials to show the position of each racer on the number line.



4. Draw red or yellow tiles to model each integer.
- a)  $+4$                       b)  $-7$                       c)  $+1$                       d)  $+6$                       e)  $-3$