

**Ready® Mathematics****Lesson 1 Quiz****Solve the problems.**

- 1** The value of  $n$  is a distance of 2 units from  $-1$  on a number line. Which numbers could be the value of  $n$ ?

Choose all that apply.

- A**  $-3$
- B**  $-2$
- C**  $-1$
- D**  $0$
- E**  $1$
- F**  $2$
- G**  $3$

- 2** Aman is adding  $-17 + 9$ . He wants to write  $-17$  as the sum of two numbers so that one of the numbers, when added to 9, will equal 0. How should Aman write  $-17$  to complete this problem?

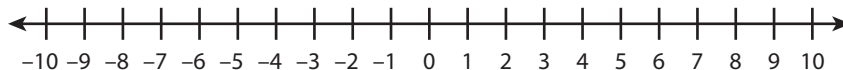
Write integers in the blanks to show how Aman will solve this problem.

$$-17 + 9 = \underline{\quad} + \underline{\quad} + 9$$

$$-17 + 9 = \underline{\quad} + 0$$

- 3** The temperature is  $-3^\circ\text{C}$  at sunrise. By noon, the temperature changes by  $5^\circ\text{C}$ . What could be the temperature at noon?

The number line shows temperatures in  $^\circ\text{C}$ . Draw arrows to find all the possible noon temperatures. Plot points at the final temperature(s).



**Lesson 1 Quiz continued**

**4** Which situations can be represented by the expression  $-75 + 75$ ?

Choose all that apply.

- A** Last night Sarah read 75 fewer pages than the night before. She reads 75 pages tonight.
- B** A diver is 75 feet below the surface of the water and then comes up to the surface.
- C** Peter adds 75 milliliters of water to a test tube containing 75 milliliters.
- D** Amber owes the phone company \$75 and she pays them \$75.

**5** Decide if each statement is true for all values of  $x$ .

Choose *Yes* or *No* for each statement.

- a.** If the distance from 0 to  $x$  on a number line is equal to 2, then  $-2 + x = 0$ .  Yes  No
- b.** If the distance from 0 to  $x$  on a number line is less than 2, then  $-2 + x$  is negative.  Yes  No
- c.** If the distance from 0 to  $x$  on a number line is greater than 2, then  $-2 + x$  is positive.  Yes  No
- d.** If the distance from 0 to  $x$  on a number line is greater than 0, then  $-2 + x$  is positive.  Yes  No

