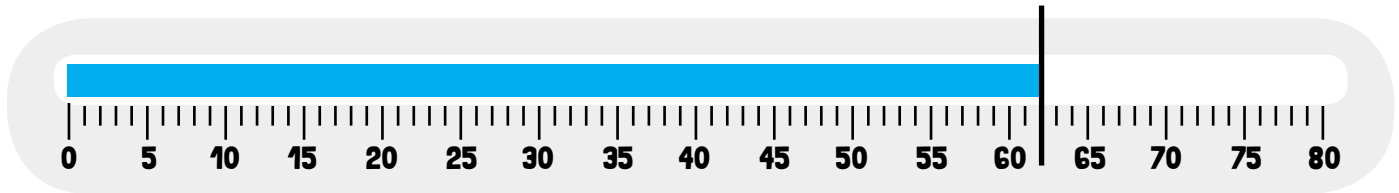# USING A THERMOMETER TO SOLVE TEMPERATURE PROBLEMS

Addition

Directions: Use the thermometer to help solve the problems about temperature.

Example: The temperature on a spring morning is 62 degrees F. By noon the temperature has risen 14 degrees. What is the temperature at noon?

```
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
0    5   10  15  20  25  30  35  40  45  50  55  60  65  70  75  80
```

To solve this problem start by drawing a line at the 62 degrees mark.

```
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
0    5   10  15  20  25  30  35  40  45  50  55  60  65  70  75  80
```
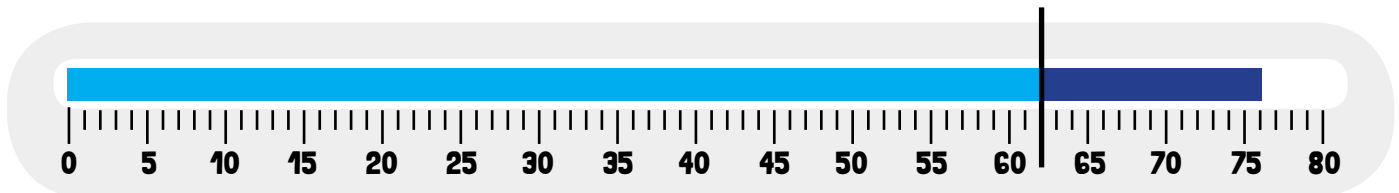
Then count up 14 spaces to find the answer.

62 + 14 = 76   The temperature at noon is 76 degrees Fahrenheit.

. . . .

Now, you try. Read the problems and use the thermometers to help you solve them. Then, write a number sentence to go with each problem.

1 Saturday, the low temperature was 56 degrees F and the high temperature was 16 degrees higher. What was the high temperature on Saturday?

```
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
0    5   10  15  20  25  30  35  40  45  50  55  60  65  70  75  80
```
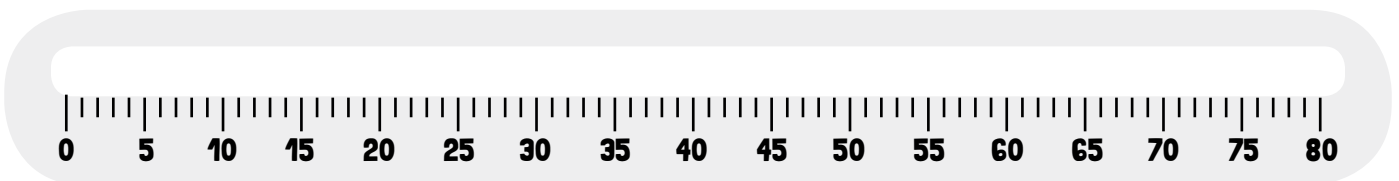
Number sentence

The high temperature on Saturday is

2 One winter day the temperature was 27 degrees F in the morning. The temperature was 14 degrees higher by 4:00 pm. What was the temperature at 4:00 pm?

```
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
0    5    10   15   20   25   30   35   40   45   50   55   60   65   70   75   80
```

Number sentence

The temperature this summer was

3 This summer the lowest temperature was 65 degrees F. The highest temperature was 33 degrees higher. What was the highest temperature this summer?

```
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
0   5   10  15  20  25  30  35  40  45  50  55  60  65  70  75  80  85  90  95  100
```

Number sentence

The highest temperature this summer was

4 One spring day, the temperature in the morning was 64 degrees F. In the afternoon the temperature rose 12 degrees. What was the afternoon temperature?

```
|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
0    5    10   15   20   25   30   35   40   45   50   55   60   65   70   75   80
```

Number sentence

The evening temperature was