



## 12.1: Number Line Riddles

Solve riddles to find the mystery number.

For each riddle:

- Write an equation that represents the riddle and write a ? for the unknown.
- Write the mystery number. Represent the equation on the number line.

1. I started at 15 and jumped 17 to the right. Where did I end?

Equation: \_\_\_\_\_

Mystery number: \_\_\_\_\_

2. I started at a number and jumped 20 to the left. I ended at 33. Where did I start?

Equation: \_\_\_\_\_

Mystery number: \_\_\_\_\_

3. I started on 42 and ended at 80. How far did I jump?

Equation: \_\_\_\_\_

Mystery number: \_\_\_\_\_

4. I started at 76 and jumped 27 to the left. Where did I end?

Equation: \_\_\_\_\_

Mystery number: \_\_\_\_\_

5. I started at a number and jumped 19 to the right. I ended at 67.  
Where did I start?

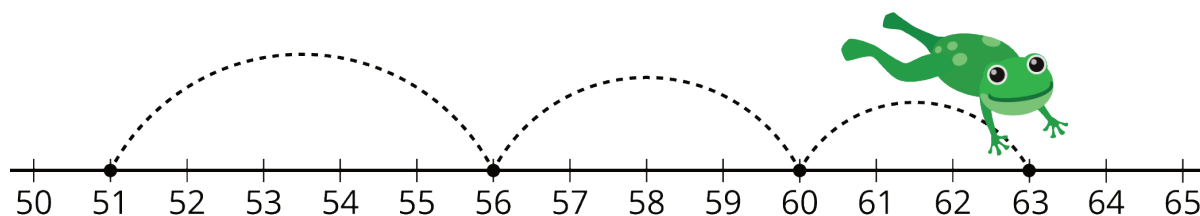
Equation: \_\_\_\_\_

Mystery number: \_\_\_\_\_

6. I started at 92 and ended at 33. How far did I jump?

Equation: \_\_\_\_\_

Mystery number: \_\_\_\_\_



## 12.2: Make the Equations True

Find the number that makes each equation true.

Show your thinking on the number line.

1.  $? - 48 = 19$

2.  $86 - ? = 39$

3.  $? + 57 = 72$

4.  $73 + ? = 91$