

Grade 2 Unit 4

Lesson 12

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Unit 4 Lesson 12: Equations with Unknowns

WU True or False: Making Tens (Warm up)

Student Task Statement

Decide if each statement is true or false. Be prepared to explain your reasoning.

- $40 = 10 + 27 + 3$
- $47 = 20 + 7 + 3 + 10$
- $60 = 3 + 47 + 10$

1 Number Line Riddles

Student Task Statement

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?

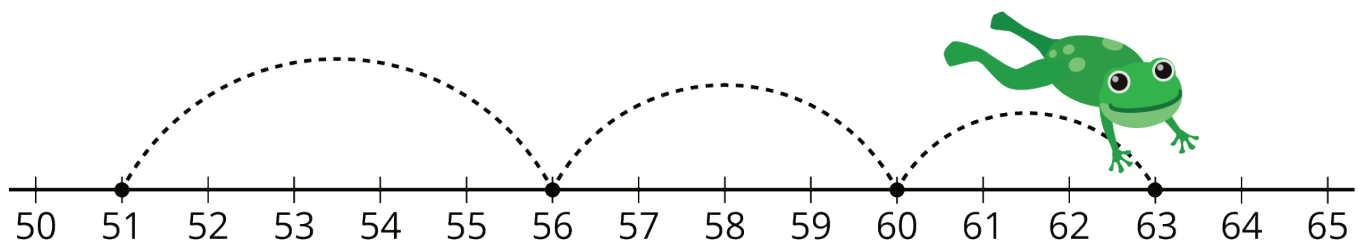
Equation: _____

Mystery number: _____

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

Equation: _____

Mystery number: _____



2 Make the Equations True

Student Task Statement

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. $73 + ? = 91$