

Exploring the Number Line App

Topic: Using the number line to explore addition and subtraction

Task Background

The activity is an orientation to the Number Line app. Learners show addition and subtraction on a number line. The examples used help the learner to see the relationship between addition and subtraction on a number line. This activity uses the *Number Line* app¹.

Content Standards

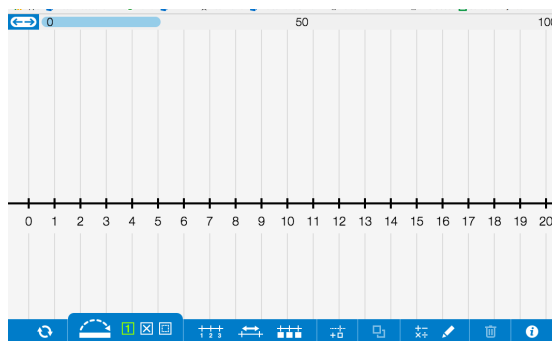
- » *Operations and Algebraic Thinking*
 - » Represent and solve problems involving addition and subtraction.
 - » Build visual of adding and subtracting on a number line.

Practice Standards

- » *Model with mathematics*
Students create a number sentence associated with the problem show or create representations associated with the problems.
- » *Use appropriate tools strategically*
Students show or create representations associated with the problems.

Materials

Students use paper, writing tools, and virtual manipulatives (Number Line app).

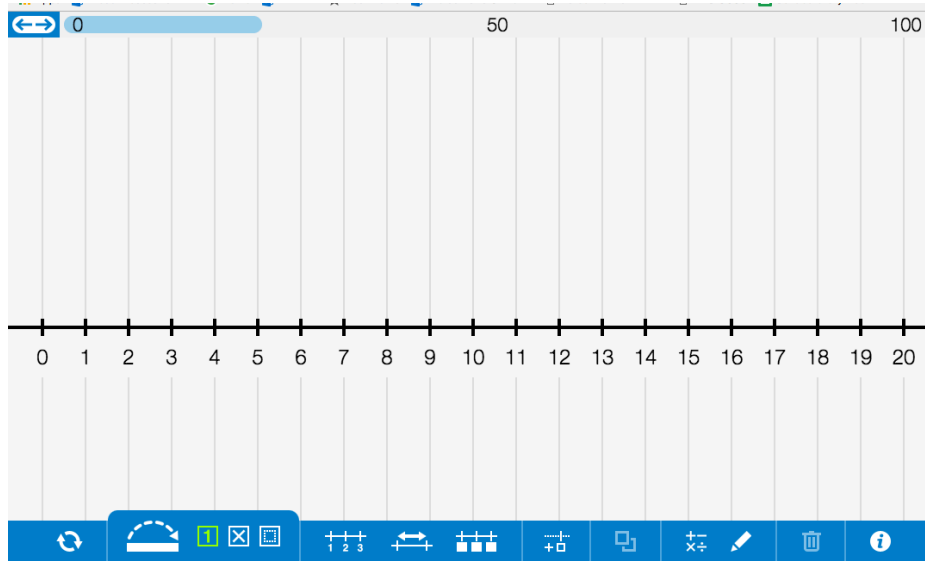


¹Apps © 2005-2017 Math Learning Center

Number Line Problems

Activity 1:

Launch the Number Line app and explore the features available.



Activity 2:

Pair up with a partner. Each of you represent the problems provided below on the number line below in two ways. Give the solution to the problem. Share your representations with your partner.

1) $7+5$

2) $17 + 15$

3) $16 + 15$

4) $25 + 17$

5) $18 - 9$

6) $17 - 8$

7) $32 - 23$