

Kindergarten: Unit 4: Lesson 16

Find the Value of Expressions

Learning Goal:

- Explain (orally) methods for finding the value of addition and subtraction expressions.

Activity Purpose

- Find the value of addition and subtraction expressions.

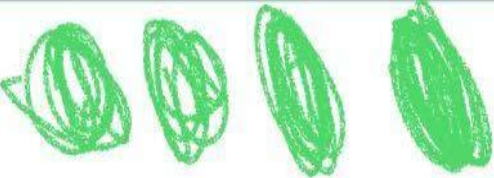
Approaches to Monitor

- Use objects, draw pictures, or use fingers.

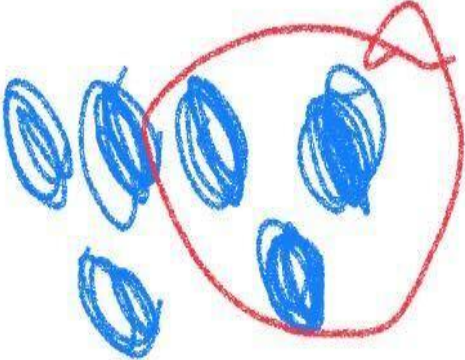
ACTIVITY

2 Find the Value of Expressions


a. $3 + 1$



b. $6 - 3$



c. $5 - 4$



Grade 1: Unit 3: Lesson 10

Related Equations

Learning Goals:

- Interpret (orally) and use strategies for finding the number that makes a subtraction equation true based on the relationship between addition and subtraction.
- Represent and solve Add To, Start Unknown and Add To, Change Unknown problems where the total is a teen number.

Activity Purpose

- Discuss the relationship between addition and subtraction equations involving teen numbers.

Approaches to Monitor

- Look for students that relate their equations to the story problem and explain their work.



The image shows two student work samples for a math activity. Both pages are titled "2 Related Equations" and have the instruction: "Find the number that makes each equation true. Show your thinking using drawings, numbers, or words."

Left Sample:

- Problem 1: $15 - 10 = \square$. The student has written "FIVE" in blue above a horizontal line. Below the line, there are 15 blue dots in a row. A red zigzag line is drawn through the first 10 dots, and a red arrow points to the remaining 5 dots.
- Problem 2: $\square = 13 - 3$. The student has drawn 13 blue dots in a row above a horizontal line and 3 red dots below it. A red arrow points from the 3 red dots to the 3 blue dots at the end of the row above the line.

Right Sample:

- Problem 3: $8 = 18 - \square$. The student has drawn 18 dots in two rows: 10 blue dots in the top row and 8 red dots in the bottom row. A red circle is drawn around the 8 red dots.
- Problem 4: $2 + \square = 12$. The student has written "I confused up" in red above the equation. Below the equation, there are 12 dots in two rows: 6 red dots in the top row and 6 blue dots in the bottom row. A red arrow points from the 6 red dots to the 6 blue dots. The number "2" is written in red below the dots, and a red circle is drawn around the number "10" to the right.

Grade 2: Unit 2: Lesson 8

Different Ways to Decompose

Learning Goals:

- Compare and contrast (orally and in writing) methods that represent decomposing a ten to subtract 2 two-digit numbers.
- Explain (orally) a strategy for subtracting 2 two-digit numbers.

Activity Purpose

- Practice subtraction using any method that makes sense.

Approaches to Monitor

- Students who show ways to subtract ones from ones first and those who subtract tens from tens first.

2 Different Ways to Decompose

2 Find the value of each difference. Show your thinking using drawings, numbers, or words.

a. $34 - 18$

b. $82 - 37$

50 + 5