Student A

How can they be equal?

First graders were working with the numbers 1 - 9.

- Emma chose two numbers and added them.
- Mike chose two numbers and subtracted them.
- They both ended with the same amount.

What numbers could Emma and Mike have used?

Show your thinking using pictures, numbers and/or words.

STUDENT A

$4 + 4 = 8$

$9 - 1 = 8$

$OOOO + OOOO$
$= OOOOO OOOO$

$9 O + O O = 8$
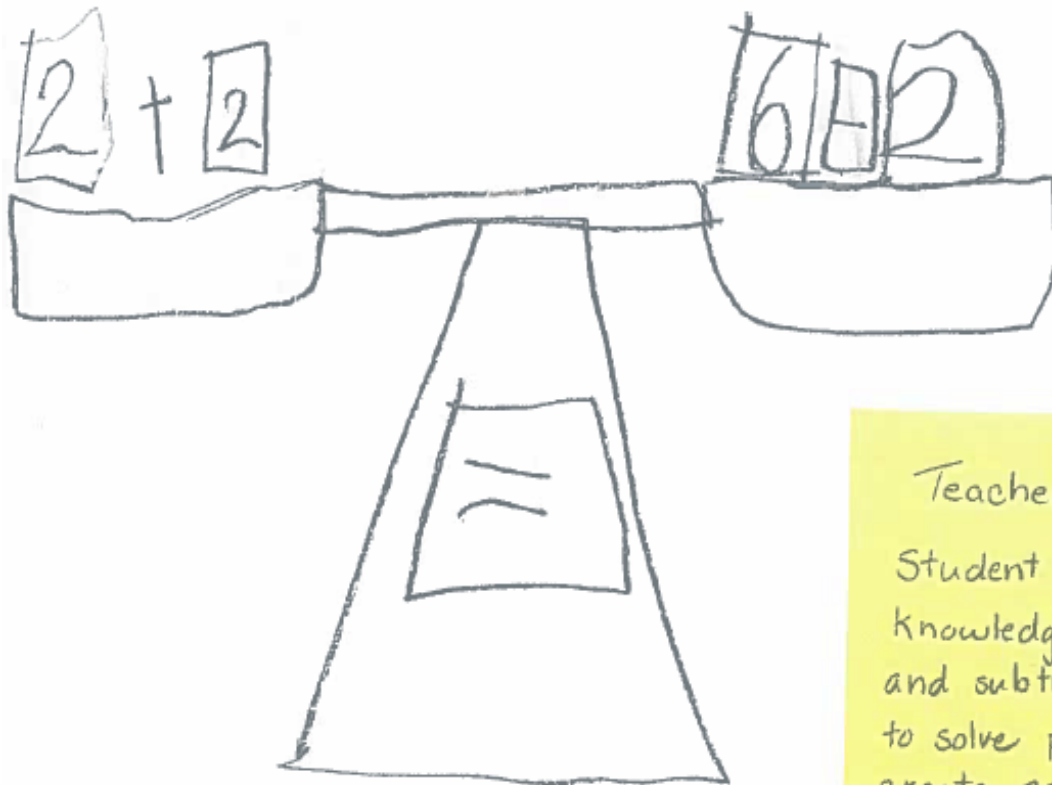$2 \quad 2$

$2 + 2 = 4$
$5 - 1 = 4$

Student B

How can they be equal?

First graders were working with the numbers 1 - 9.

- Emma chose two numbers and added them.
- Mike chose two numbers and subtracted them.
- They both ended with the same amount.

What numbers could Emma and Mike have used?

Show your thinking using pictures, numbers and/or words.

2 + 2   6 − 2

=

Teacher annotation:

Student used knowledge of addition and subtraction facts to solve problem and create equations.

Student B (continued)

How can they be equal?

Student C

How can they be equal?

First graders were working with the numbers 1 - 9.

- Emma chose two numbers and added them.
- Mike chose two numbers and subtracted them.
- They both ended with the same amount.

What numbers could Emma and Mike have used?
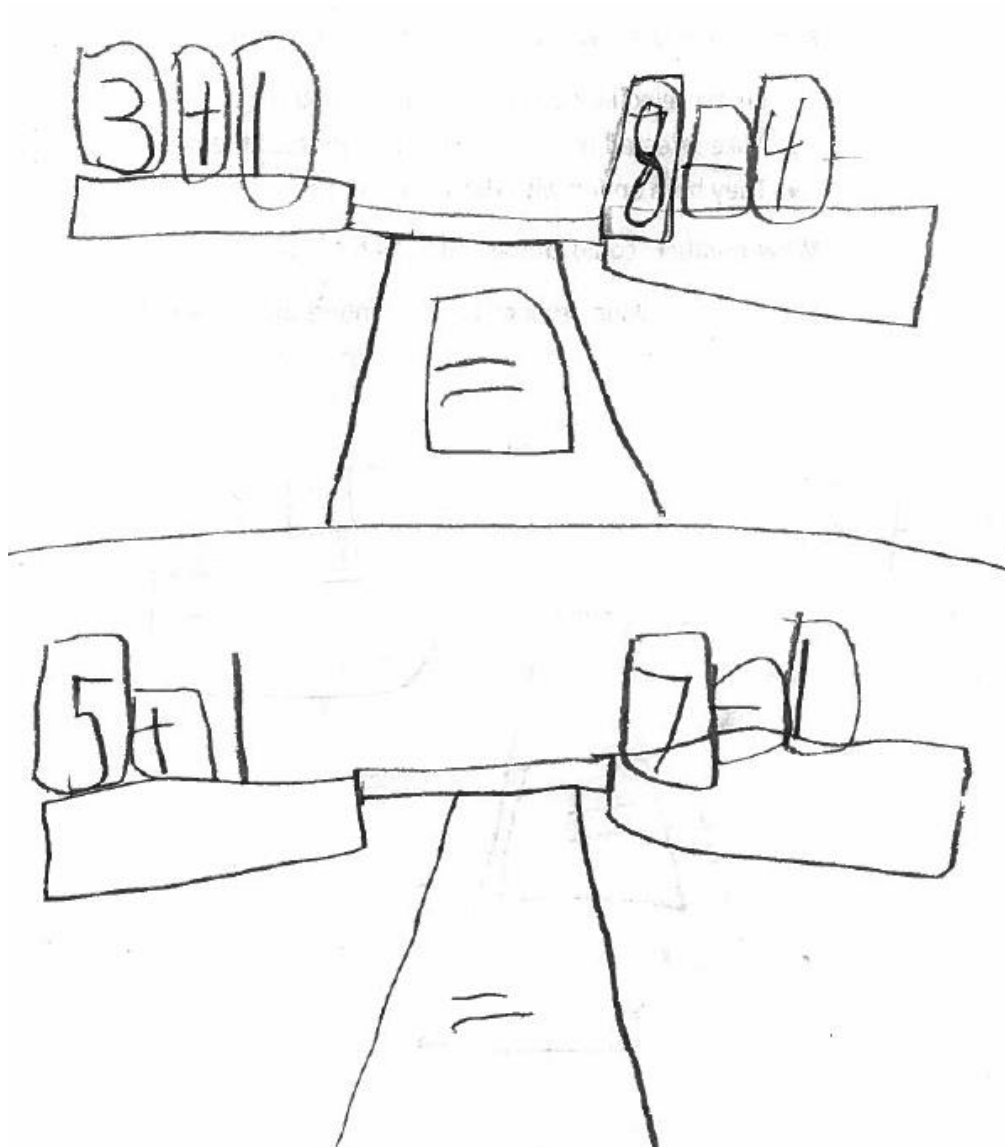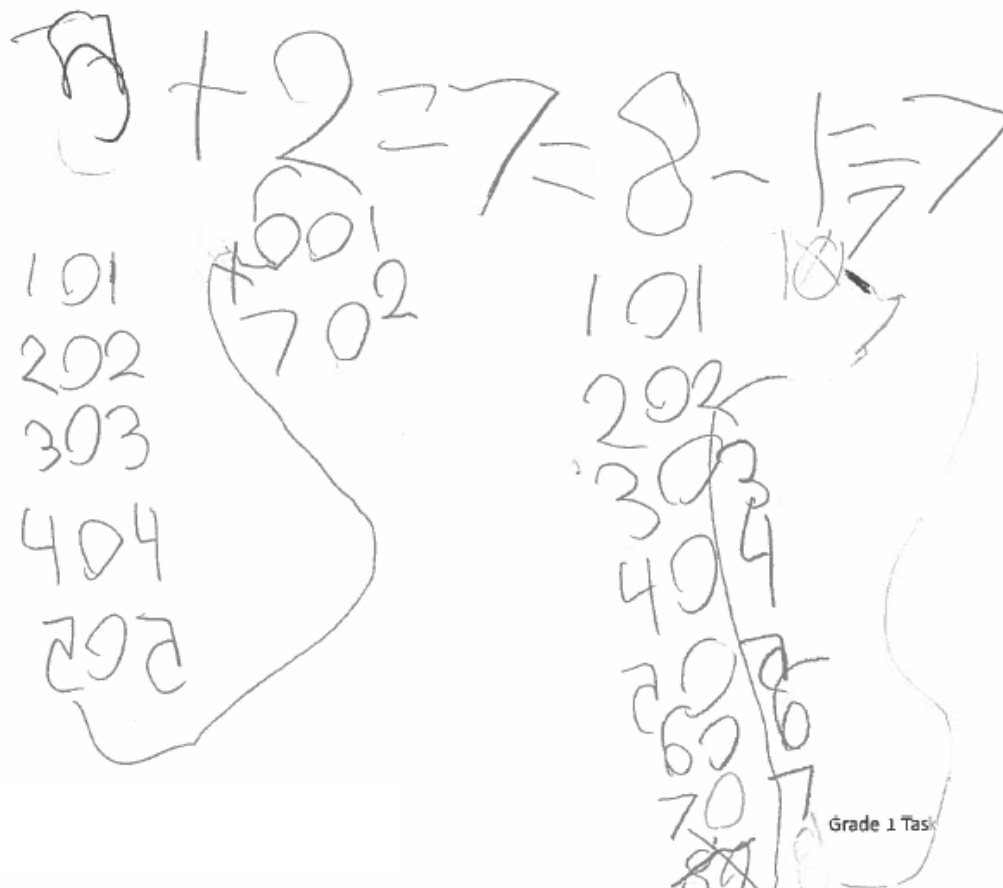
Show your thinking using pictures, numbers and/or words.

$$5 + 2 = 7 = 8 - 1 = 7$$

101
202
303
404
505

601
702

101
202
303
404
505
606
707
808

Grade 1 Task

Student C (continued)

$$7 + 3 = 10 = 11 - 1 = 10$$

101
202
303
404
505
606
707

801
902
1003

0^1
0^2
0^3
0^4
0^5
0^6
0^7
0^8
0^9
0^{10}

$$7 + 1 = 8 = 9 - 1 = 8$$

Student D

How can they be equal?

First graders were working with the numbers 1 - 9.

- Emma chose two numbers and added them.
- Mike chose two numbers and subtracted them.
- They both ended with the same amount.

What numbers could Emma and Mike have used?

Show your thinking using pictures, numbers and/or words.

$$2 + 2 = 4$$

they have four
Emona has 4 that is equal

$$2 - 2 = 0 \quad \text{Mike has } 0$$

Student E

How can they be equal?

First graders were working with the numbers 1 - 9.

- Emma chose two numbers and added them.
- Mike chose two numbers and subtracted them.
- They both ended with the same amount.

What numbers could Emma and Mike have used?

Show your thinking using pictures, numbers and/or words.

4+1=5   7-2=5