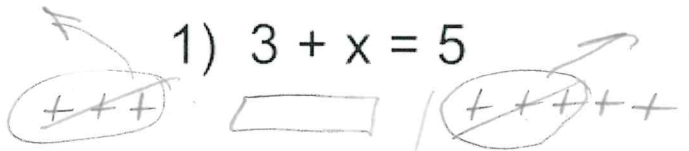


Name: Key



Show the following equations using Algebra Tiles



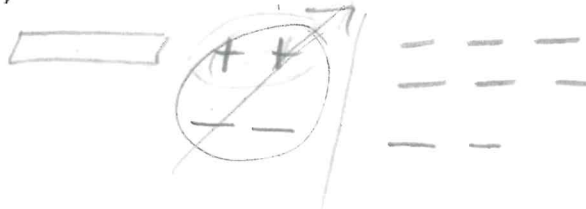
$x = 2$

Check

$3 + 2 = 5$

$5 = 5$  ✓

2)  $z + 2 = -6$



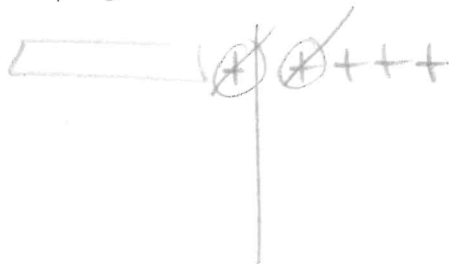
$z = -8$

Check

$-8 + 2 = -6$

$-6 = -6$  ✓

3)  $y + 1 = 4$



$y = 3$

Check

$3 + 1 = 4$

$4 = 4$  ✓

4)  $2b + 2 = 8$



$b = 3$

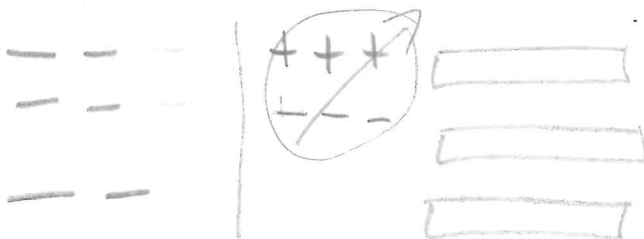
Check

$2(3) + 2 = 8$

$6 + 2 = 8$

$8 = 8$  ✓

5)  $-6 = 3 + 3x$



$x = -3$

Check

$-6 = 3 + 3(-3)$

$-6 = 3 + -9$

$-6 = -6$  ✓

How do we solve an equation?

We get the variable on one side of the equation

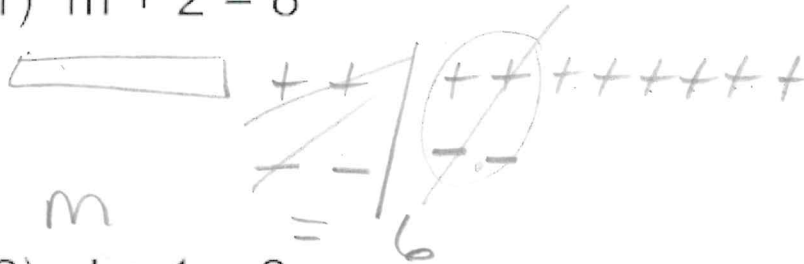
$$x = 4$$

by using

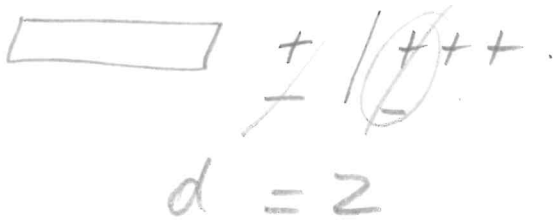
Inverse Operations.

Operations that reverse, or undo, each other

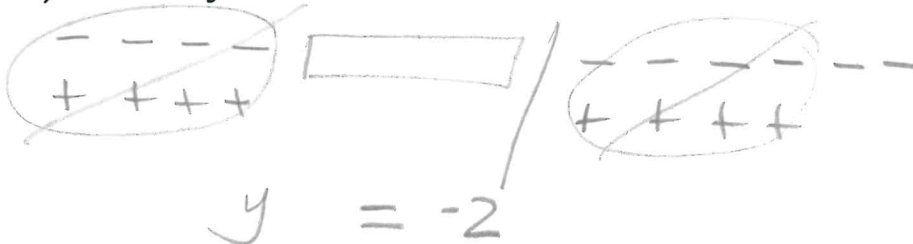
1)  $m + 2 = 8$



2)  $d + 1 = 3$



3)  $-4 + y = -6$



4)  $w - 2 = -3$

