Patterning and Algebra

Activity 4 Assessment

Modelling and Solving One-Step Linear Equations

Modelling and Solving One-Step Linear Equations			
Describes the meaning of a one-step equation of the form $x + a = b$ $x + 3 = 8$ I am looking for a number that, when added to 3, has a sum of 8.	Solves a one-step equation of the form $x + a = b$, where a and b are whole numbers $x + 3 = 8$ I used mental math. I know that if I add 3 to 5, I get 8. So, $x = 5$ is the answer.	Solves a one-step equation of the form $x + a = b$, where a and b are integers $x + 3 = –8$ I want to get x on its own on the left side. So, I subtract 3 from each side. This gives me: $x + 3 – 3 = –8 – 3$ $x = –11$	Verify that the answer is correct I substituted –11 for x in the left side of the original equation: $–11 + 3 = –8$ This is the equal to the right side. So, the answer is correct.
Observations/Documentation			