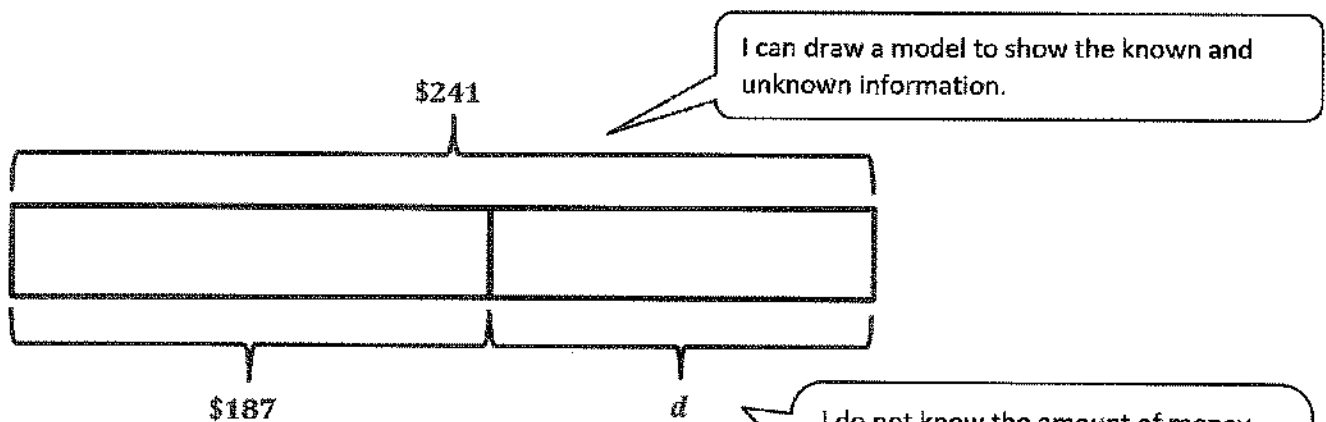


G3-M3-Lesson 18

William has \$187 in the bank. He saves the same amount of money each week for 6 weeks and puts it in the bank. Now William has \$241 in the bank. How much money does William save each week?



I do not know the amount of money William puts in the bank. I will label this unknown on my model using the letter d for dollars.

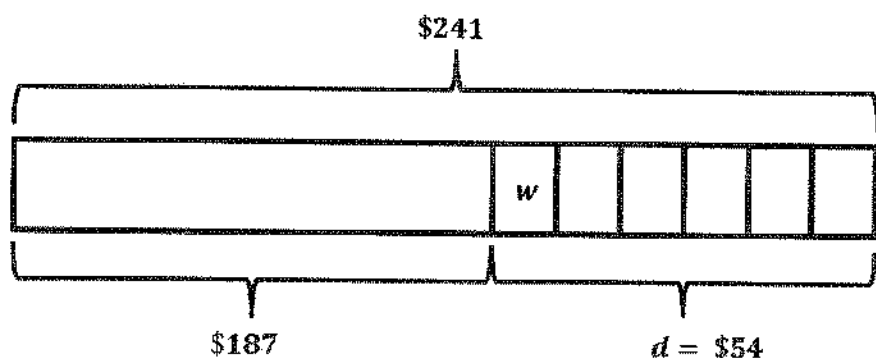
d represents the number of dollars William puts in the bank

$$\$241 - \$187 = d$$

$$d = \$54$$

I can write what d represents and then write an equation to solve for d . I can subtract the known part, \$187, from the whole amount, \$241, to find d .

This answer is reasonable because $\$187 + \$54 = \$241$. But it does not answer the question the problem asks. I'm trying to figure out how much money William saves each week, so I need to adjust my model.



I can split the \$54 into 6 equal parts to show the 6 weeks. I label the unknown w to represent how much money William saves each week.

w represents the number of dollars saved each week

$$\$54 \div 6 = w$$

$$w = \$9$$

I will write what w represents and then write an equation to solve for w . I can divide \$54 by 6 to get \$9.

William saves \$9 each week.

My answer is reasonable because \$9 a week for 6 weeks is \$54. That's about \$50. \$187 is about \$190. $\$190 + \$50 = \$240$, which is very close to \$241. My estimate is only \$1 less than my answer!

I can explain why my answer is reasonable by estimating.