

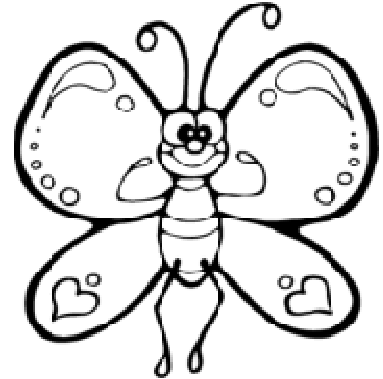
Name _____

Date _____

Understanding Number Sequence Rules Step-By-Step Lesson

Find the missing values in the number sequence below. Write the rule that the sequence follows.

83, __, 69, 62, __, 48, 41, __, 27



Explanation:

Look at the rule between consecutive values.

83, __, **69, 62**, __, **48, 41**, __, 27

$$69 - 62 = 7 \quad 48 - 41 = 7$$

We can see that the value decreases as it continues.

It stands to reason that the rule for the sequence is to subtract 7 as it continues.

Keeping this in mind, we can complete the pattern.

83, __, 69, 62, __, 48, 41, __, 27

$$\text{Slot 1} = 83 - 7 = 76$$

$$\text{Slot 2} = 62 - 7 = 55$$

$$\text{Slot 3} = 41 - 7 = 34$$

So the final sequence is: 83, 76, 69, 62, 55, 48, 41, 34, 27

