

Illustrative Mathematics

3.OA The Stamp Collection

Alignments to Content Standards

- [Alignment: 3.OA.D.8](#)

Tags

- *This task is not yet tagged.*

Masha had 120 stamps. First, she gave her sister half of the stamps and then she used three to mail letters. How many stamps does Masha have left?

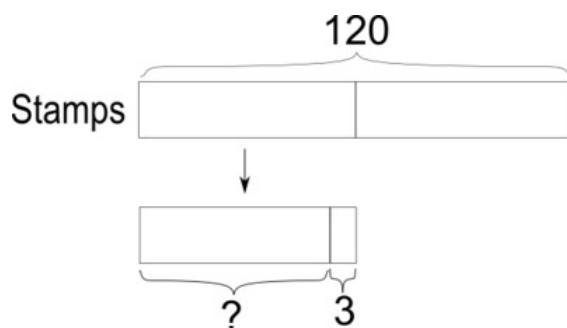
Commentary

This task uses language, "half of the stamps," that students in Grade 5 will come to associate with multiplication by the fraction $\frac{1}{2}$. In Grade 3, many students will understand half of 120 to mean the number obtained by dividing 120 by 2. For students who are unfamiliar with this language the task provides a preparation for the later understanding that a fraction of a quantity is that fraction times the quantity.

Solutions

Solution: Using a bar diagram

We can visualize the problem with a bar diagram:



$$2 \text{ units} = 120$$

$$1 \text{ unit} = 60$$

$$60 - 3 = 57$$

Masha had 57 stamps left.



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