



National Center and State Collaborative

# **NCSC AA-AAS**

## **Mathematics**

### **Sample Items – Grade 6**

**Sample Item 1**

This item is about solving a problem using a ratio.

June learned 6 new vocabulary words for every chapter she read. This is a ratio of 6 to 1.

$$6 : 1$$

June learned 60 new vocabulary words.

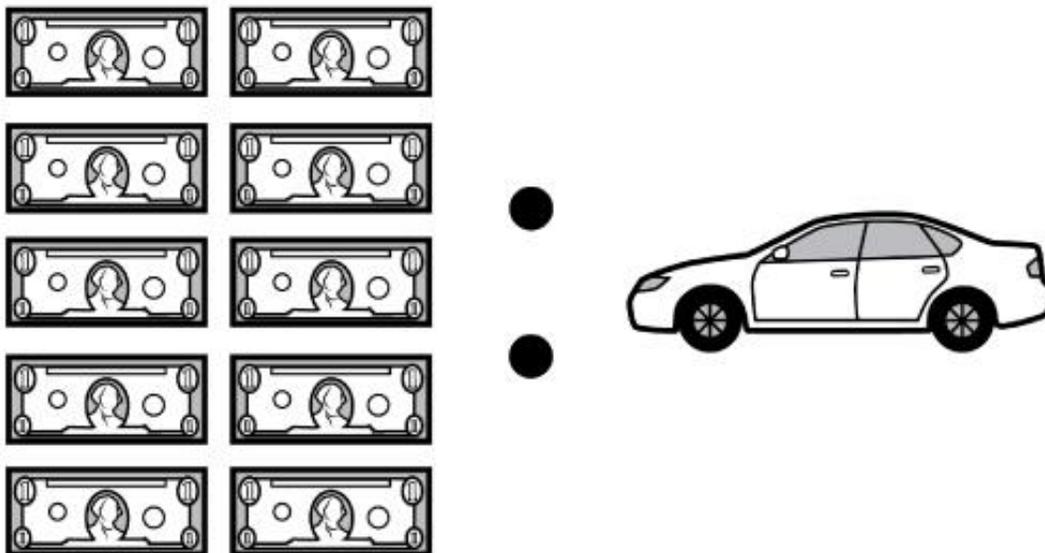
**How many chapters did June have to read to learn 60 new vocabulary words?**

- 3 chapters
- 6 chapters
- 10 chapters

Sample Item 2

This item is about solving a problem using a ratio.

Connie earned \$10 for every car she washed.



10:1

This is a ratio of 10 dollars earned for 1 car washed.

10 : 1

**How many dollars did Connie earn by washing 3 cars?**

- \$10
- \$11
- \$30

**Sample Item 3**

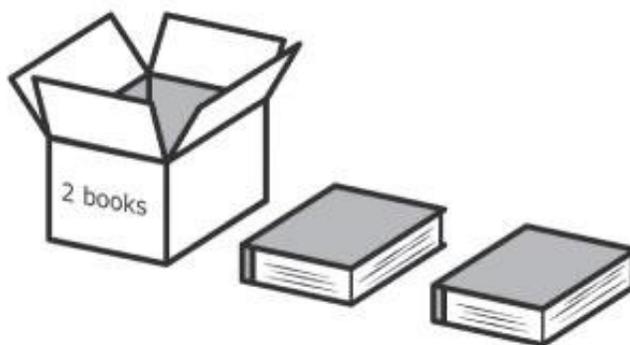
This item is about solving a problem using a ratio.

The students in Ms. Victor's class collected books.

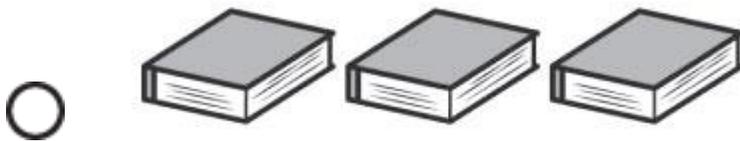
There are three boxes.



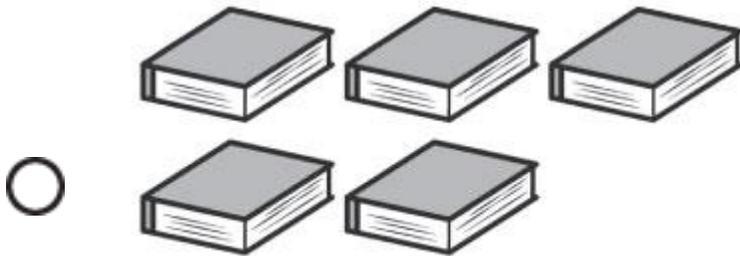
Each box holds 2 books.



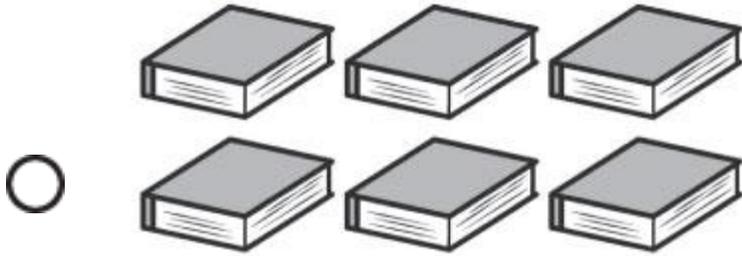
**How many total books did the students put in to fill the 3 boxes?**



**3 books**



**5 books**



**6 books**