

Reasonable estimates  
for multistep problems

Estimate

$$\underline{8,642} \times 4$$

- ① quickly
- ② mentally

## **I do**

Sabrina has a collection of books that she has gotten as gifts and from book fairs over the years. To figure out how many she has, she lays out the books in an array with 9 rows and 6 columns.

Sabrina has three times more books than her friend Ruby.

*What is a reasonable estimate for how many books Ruby has?*

### **We do**

At the Amazon delivery center, the workers are putting deliveries onto trucks. They have 234 packages to deliver today and another 70 envelopes to deliver as well.

They are going to be driving 6 trucks, and would like to put an equal number of deliveries on each truck. *What is a reasonable estimate for the number of items that will be on each truck?*

**You do together  
on whiteboard**

Rick's auto shop puts 5 gallons of oil in each car they repair. The shop repairs 20 cars each day.

Cameron's shop repairs twice as many cars as Rick's each day. If Cameron's shop has 500 gallons of oil in stock, *what is a REASONABLE ESTIMATE for the number of days their oil will last?*

**You do alone on  
index card**

Anna makes an order from Amazon. She buys a video game and five \$10 board games. In all, she spent \$89. *What is a reasonable estimate for the cost of the video game?*