Chapter 3
Lesson 2

Communicating about Estimating and Calculating

GOAL

Explain clearly how to estimate and calculate.

Money We Raised

Month	Money raised
March	$856
April	$1235
May	$1087

Rebecca and her classmates wanted to raise $3000 by selling magazine subscriptions. She thinks they have reached their goal. She asked Ami to help her improve her explanation.

How can you improve Rebecca's explanation?

Rebecca's Solution and Explanation

I can solve the problem by estimating the total amount raised. I know we raised more than $2000 for March and April. So, we raised more than $3000. We reached our goal.

Why can you solve the problem by estimating?

How do you know the total for March and April is more than $2000?

How do you know the total amount raised is more than $3000?

Communication Checklist

- ✔ Did you explain your thinking?
- ✔ Did you show all the steps?
- ✔ Did you use math language?

A. How can you improve Rebecca's explanation? Use Ami's questions and the Communication Checklist.

Reflecting

B. How do Ami's questions relate to the questions in the Communication Checklist?

Checking

1. Did Rebecca and her classmates raise enough money to buy all of the equipment below? Use the Communication Checklist to explain how you estimated or calculated.

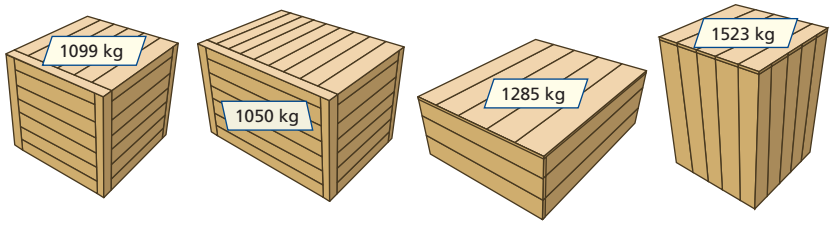
Reward Points Needed to Trade

Item	Points
DVD player	2500
watch	500
telescope	230
donation to zoo	1700

Practising

2. Trevor has 5000 reward points. Can he trade them for the four items listed at the left? Use the Communication Checklist to explain how you estimated or calculated.

3. An elevator can carry 5000 kg safely. Can the elevator carry these four crates safely? Explain how you estimated or calculated.



4. Why is it important to explain how you estimate or calculate when you solve a problem?