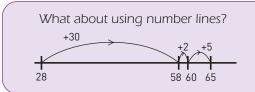
## The Strategy Strut



## **Activity One**

Mārama is recording all the different strategies her friends are using to solve the problem below.



## Problem:

There are 28 people on the train, and then 37 people get on. How many are on the train now?  $28 + 37 = \square$ 

I'll use rounding and compensation. Round 28 up 2 to make 30.

Round 37 up 3 to make 40.

30 + 40 = 70

Take off what I've rounded up:

70 - 5 = 65



- 1. Use each of Mārama's friends' strategies from above to help you complete these two equations. Record the strategies as you use them.
  - a. 99 + 48 =
  - **b**. 238 + 596 =
- Which strategies do you think are the best for completing these equations? Why? Discuss this with a classmate.

- For each equation below, choose one of the strategies. Complete each equation and then discuss with your classmate why you chose that strategy.
  - 46 + 27 =
- b. 64 + 29 =
- c. 39 + 45 =

- d. 75 + 101 =
- 96 + 84 =e.
- f. 17 + 37 =

## **Activity Two**

Mārama's friends are now working on a subtraction problem.

These are their strategies:



There are 52 cookies in the jar, and 28 are eaten. How many are left in the jar?



- Use each of the friends' strategies to complete the two equations below. Show how you used the strategies.
  - 51 19 =i.
  - 74 37 =ii.
  - Which strategies do you think are the best for completing these equations? Why?
- For each equation below, choose one of the strategies. Complete each equation and then discuss with your classmate why you chose that strategy.
  - 43 18 =
- 61 39 =b.
- 63 26 =

- 93 48 =d.
- 82 45 =e.
- f. 75 - 37 =

- 63 25 =
- h. 123 59 =
- i. 304 - 198 =

- 634 499 =j.
- k. 231 156 =
- 1. 135 - 67 =