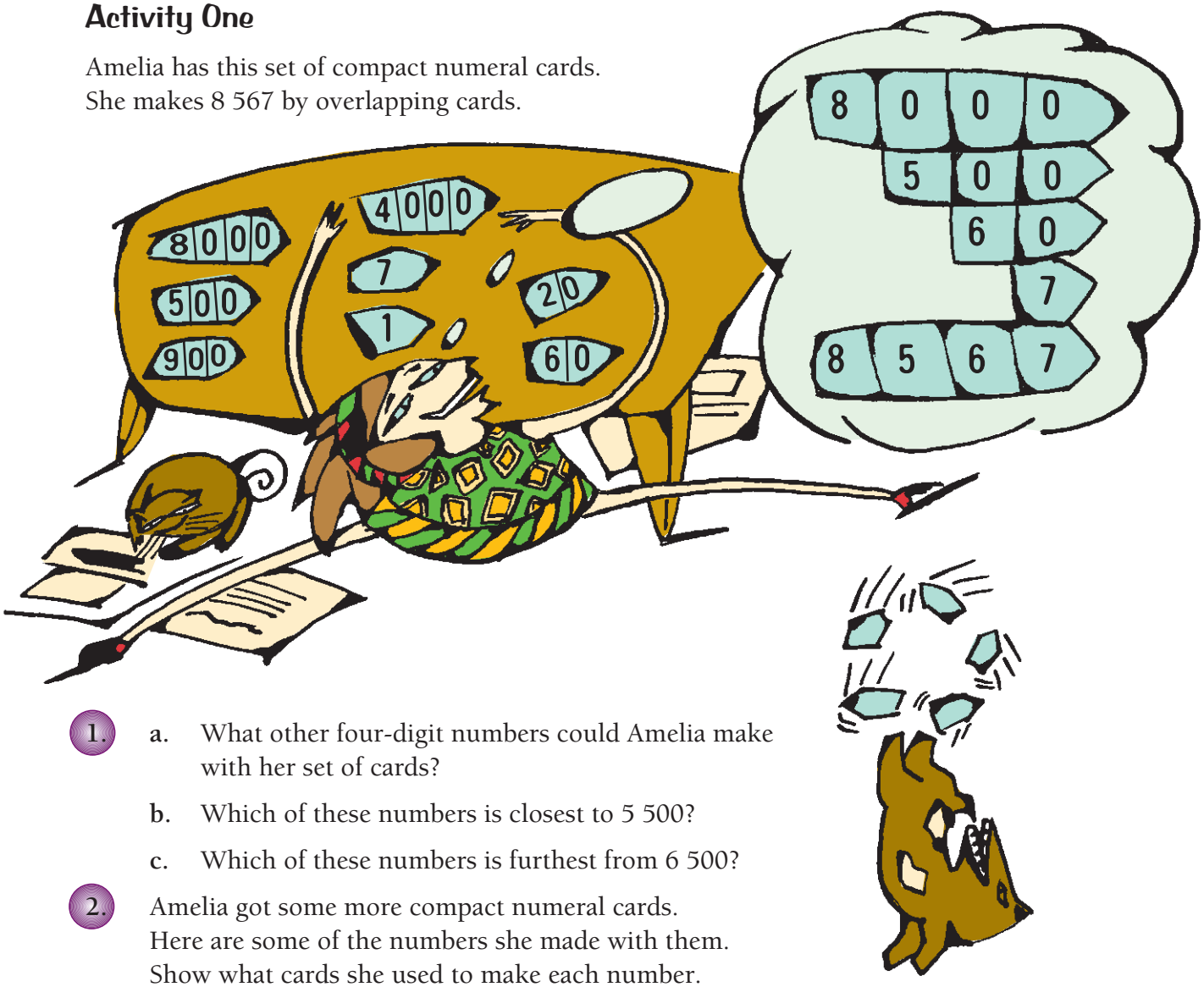
Number Stretches

You need ☑ a set of compact numeral cards ☑ a calculator

Activity One

Amelia has this set of compact numeral cards.
She makes 8 567 by overlapping cards.

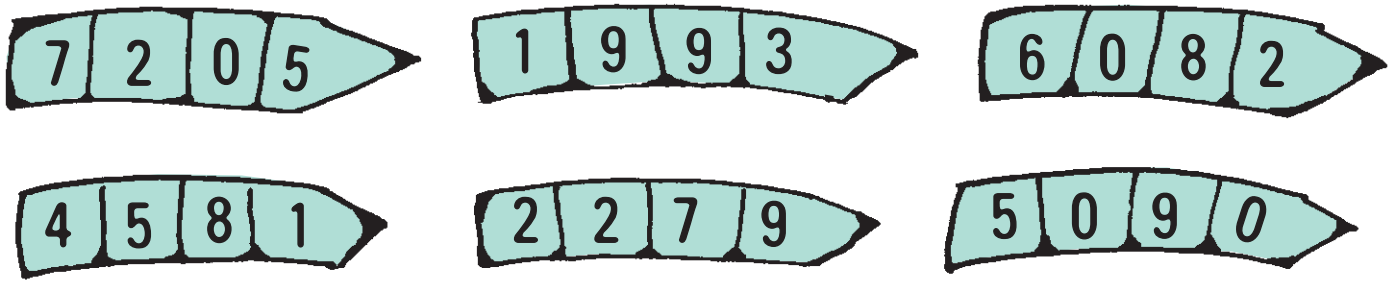


1. a. What other four-digit numbers could Amelia make with her set of cards?

   b. Which of these numbers is closest to 5 500?

   c. Which of these numbers is furthest from 6 500?

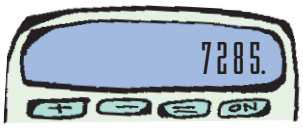
2. Amelia got some more compact numeral cards.
Here are some of the numbers she made with them.
Show what cards she used to make each number.

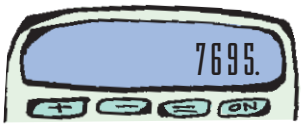


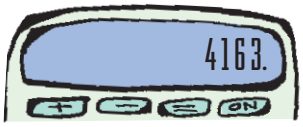
Activity Two

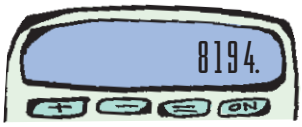
Amelia has to use her calculator to change the numbers on the left to the numbers on the right.

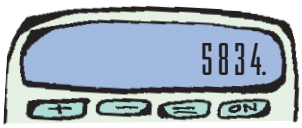
1. How can she do it with the least number of key pushes?

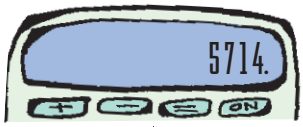
   a. Change 

to 

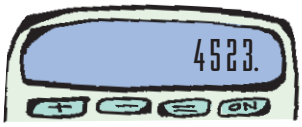
   b. Change 

to 

   c. Change 

to 

   d. Change 

to 

2. How could the compact numeral cards help Amelia with these changing number problems?

Activity Three

Amelia had saved $430 in her bank account. It was time to buy her new bicycle.

At the bank, she used her compact numeral cards to work out how many $10 notes she would get for $430.

Use Amelia's method to work out how many $10 notes you would get for these amounts:

a. $290 b. $750 c. $1,890 d. $8,960