## CoUTOOLR COLMLDLDOHROLSS

Lawrence, Charlotte, Emeli, and Simon spend a morning at the amusement arcade playing video games and minisports. They each win coupons that can be swapped for prizes.

When they finish playing, they add up their own coupons:

| Player | Number of coupons |
| :---: | :---: |
| Lawrence | 285 |
| Charlotte | 573 |
| Emelf | 498 |
| simon | 396 |

To win a prize, they need 800 coupons. No one has enough coupons to win a prize, so they decide to join together in pairs.

1. Lawrence and Simon look at their totals:


Use Simon's idea to work out the total number of their coupons.
2. Charlotte and Emeli have to add 523 and 448:

We could start with 523 and add on the 400 first.

a. Work out Charlotte and Emeli's total by adding on 400 , then 40 , and then 8 .
b. Find another way to work out Charlotte and Emeli's total.
3. How should the friends pair up so that they get two prizes altogether?

