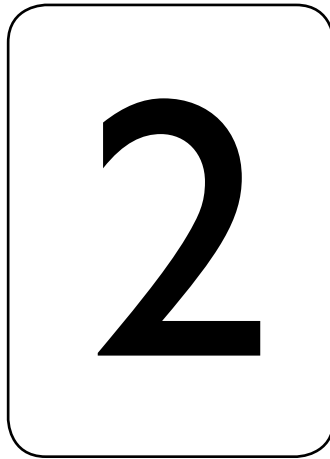


Two digits problem

Shruti had a set of number cards 1 to 9.

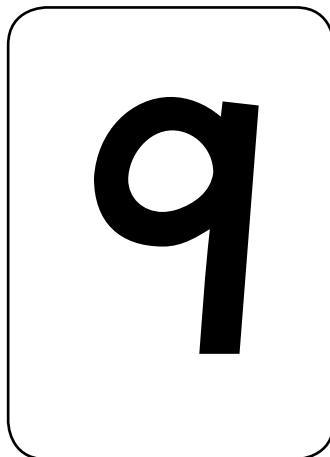
She shuffled them, then picked two at random, and added the numbers together.



7 and 2 make 9.

Then she put back the cards, and shuffled again.

She picked another two cards.



3 and 9 make 12.

- 1) What are all the totals she can make this way?
- 2) Can some totals be made in more than one way?
- 3) What patterns can you find? Investigate!