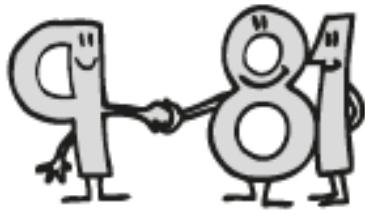




Looking for Patterns

9 and 81



3 and 72



2 and 94



For each pair of numbers:

- Divide the two-digit number by the one-digit number.
- Reverse the two digits in the two-digit number and find the difference between this number and the one-digit number.
- What do you notice about the two answers?



Looking for Patterns

Emily picked up a handful of counters. She estimated that there were between 20 and 30 counters.

To find out exactly how many counters there were, she tried to arrange the counters into groups of 2. When she did this, she found that there was one counter left over.

When she tried to arrange them into groups of 4 or 5 the same thing happened – one counter was left over each time.

She then decided to arrange the counters into groups of 3. When she did this, there were no counters left over.

How many counters did Emily pick up?

