

Abacus: make three-digit numbers

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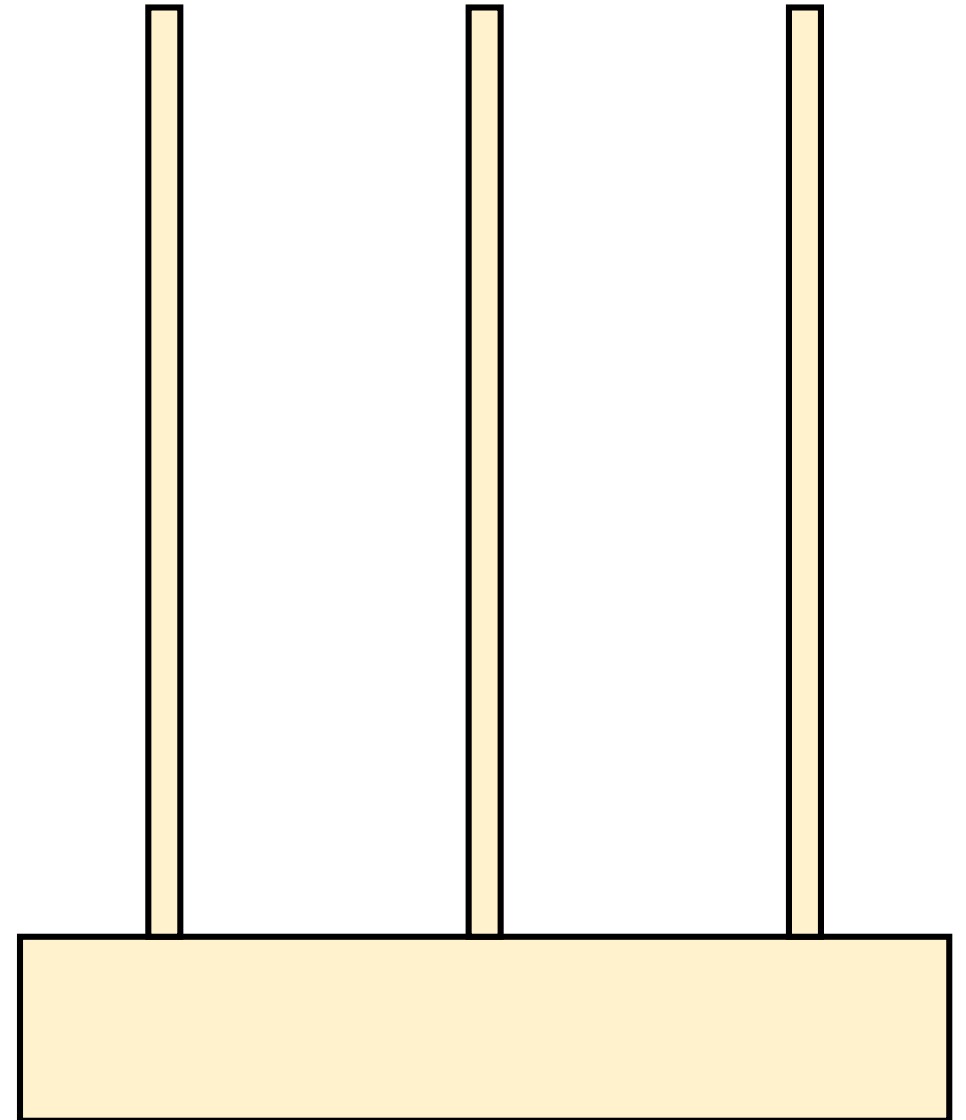
You will need 25 counters and piece of A4 paper.

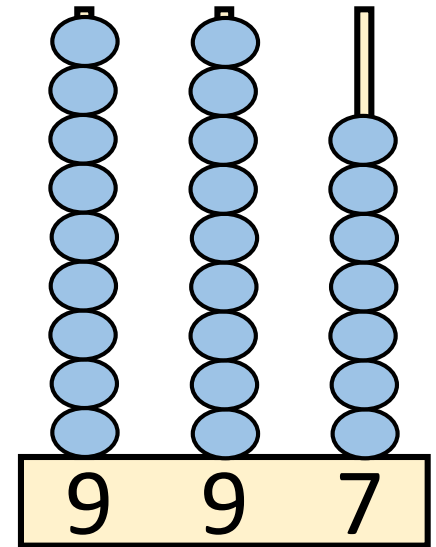
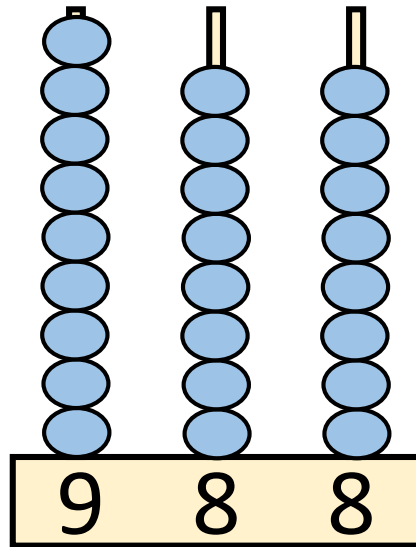
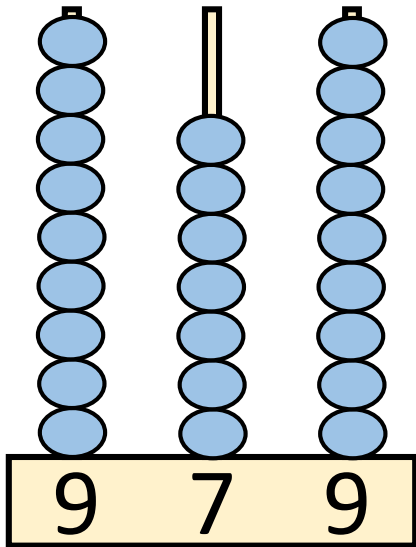
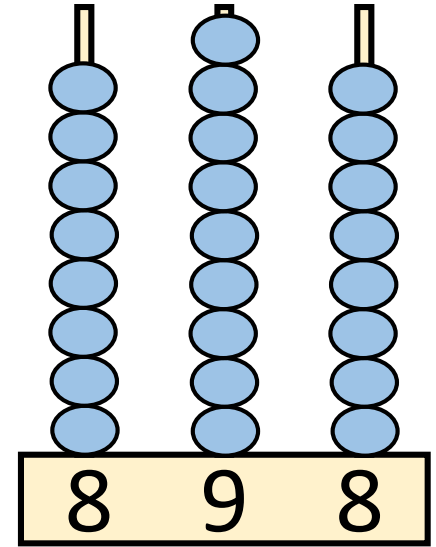
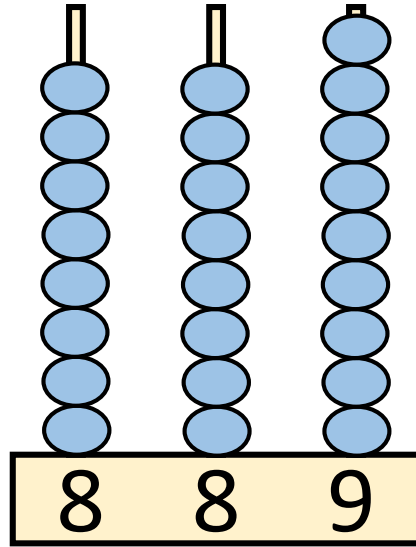
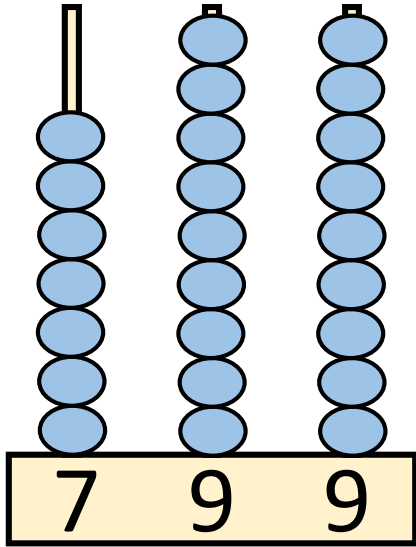
Draw an place value abacus. Make sure each spike or prong will comfortably take 9 counters.

You must use all the counters for each number you make.

How many three-digit numbers can you make?

Can you write them in order from the smallest to the largest?





Abacus: make three-digit numbers

Try a different number of beads, e.g. 24 beads.

Try a different number of digits, e.g. four-digit numbers.

Which one would give the greater number of possibilities?

How do you know?

Explain your thinking.