William had his marbles out on the floor one day. His baby sister, Jasmine, was putting them into equal piles, or trying to.
When she tried to put them into two equal piles, she had one left over.
When she tried for three equal piles, she had two left over.
When she tried for four equal piles, she had three left over.
When she tried for five equal piles, she had four left over.
When she tried for six equal piles, she had five left over.
Then she got mad and threw all of the marbles under the piano.
After that, William rescued all of the marbles (without losing any) and proceeded to put them into seven equal piles, none left out.
How many marbles are there?