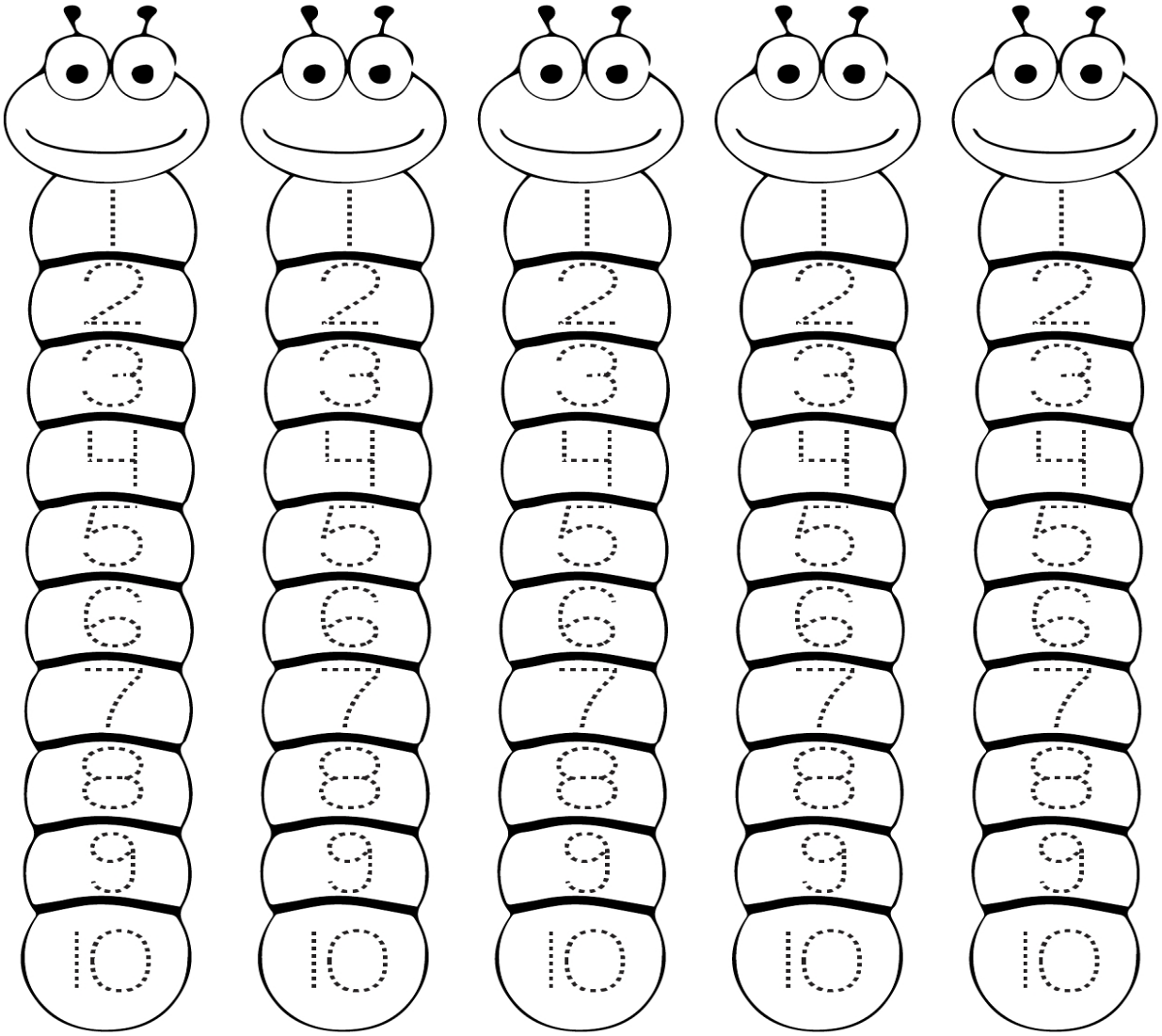Count and Trace