1. DES key 2^56 = 7.206 x 10^16 keys

An Intel i5 processor is clocked at 83,000 MIPS or 83 billion instructions per second

Assuming that one key can be produced from one cycle or instruction then the CPU can produce 83 billion keys per second.

7.206 x 10^16 / 8.3 x 10^11 = 86,820 secs (8.6820 x 10^4)
86,820 secs/ 60 sec/min = 1447 minutes
1447 min / 60 min/hr = 24.116 hrs

Using a Intel i5 processor it would take approximately 1 day to calculate all the keys for DES 56 bit encryption.

2. AES 128 bit key = 3.4 x 10^38 keys
3.4 X 10^38 / 8.3 x 10^11 = 4.096 x 10^26 sec
4.096 x 10^26 sec / 60 sec/min = 6.827 x 10^24 min
6.827 x 10^24 min / 60 min/hr = 1.138 x 10^23 hrs
1.138 x 10^23 hr / 24 hrs/day = 4.741 x 10^21 days
4.741 days x 10^21 / 365days/yr = 1.299 x 10^19 years

Using a Intel i5 processor it would take approximately 12,990,000,000,000,000,000 years to calculate all the keys for AES 128-bit encryption