

1.1 Computing power increases by a factor of 2 every 18 months, which generalizes to a factor of 2^x every $18x$ months. If we want to figure the time at which computing power increases by a factor of 100, we need to solve $2^x = 100$, which reduces to $x = 6.644$. We thus have $18x = 18 \times (6.644 \text{ months}) = 120$ months, which is 10 years.

1.2 9253

1.3

motherboard	ZIF socket	mouse
CD-ROM/DVD drive	floppy drive	keyboard
hard disk drive	monitor	integrated circuit