

4 Parallel and distributed computing – Part 2 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 sequential computing runs one step at a time; parallel computing runs several parts at the same time on different processors.

2.2 $\frac{60}{20} = 3.$

2.3 $\frac{80}{32} = 2.5.$

2.4 the parts that must run in sequence cannot be sped up by adding processors, so they limit the overall speedup.

2.5 using many computers connected over a network to work together on one problem.