

Methods for Validating Solutions

Method	Limitations	Quality of Validation
Systematic Check		Low, errors easily missed
Realistic Check	Can only identify an incorrect result	Low, no overall validation
Dimensional Check	Can only identify an incorrect result	Low, no overall validation
Limiting Case Check	Can only identify an incorrect result	Low, no overall validation
Rework Check		Low, repeated error likely
Numerical Check	Need many points	Low, unless many points
Experience Check	Depends on individual	Varies
Alternate Worker Check	Depends on individual	Varies
Alternate Method Check	Alternate may not be obvious	High
Published Result Check	Can be time consuming	Very high
Web Result Check	Web misinformation	Generally very high