



ABILITY TEST REPORT

Mechanical Comprehension Test

Feedback for

Sam Sample

About this report

This report gives you feedback on the Mechanical Comprehension Test you completed on 17 October 2026. It is written for you, and it is yours to keep. The organisation that invited you to take the test will let you know about the next steps in your application separately.

What the test measured

Three things that come up wherever equipment has to be understood, used or maintained:

- Forces and mechanical advantage -- for example, working out which way a set of scales will tip, or how much effort a pulley arrangement saves.
- Movement and electrical systems -- for example, which way the last cog in a chain turns, or which lights come on when a switch is closed.
- Volume and physical relationships -- for example, how high the same amount of water reaches in a narrower container.

No formulae or specialist knowledge were needed. Everything you needed was in the diagram on the screen.

What your results suggest

You did about as well as most people who take this test. You handled the principles well; the marks most people lose are on the small things -- weight considered without distance, a chain of cogs judged at a glance, a level estimated by eye -- and the following page is aimed at exactly those.

Areas to develop

Whatever your result, all three of the things the test measured improve quickly with regular practice on ordinary, everyday material -- you don't need specialist resources to work on them.

Forces and mechanical advantage. Balance depends on weight times distance, and pulleys and springs trade effort for distance; most errors come from thinking about weight alone. *Try this:* look at any lever you use -- a door handle, a wheelbarrow, a bottle opener -- and work out where the load, the effort and the pivot are, and why it is shaped that way.

Movement and electrical systems. Connected cogs alternate direction and the smaller one turns faster; a circuit only works where there is an unbroken path. *Try this:* sketch a chain of three or four gears, or a circuit with two switches, and predict what happens before you check -- then make it one link longer.

Volume and physical relationships. The quantity stays the same when it is moved; only the shape of the space around it changes. *Try this:* pour the same measure of water into two differently shaped glasses and predict the levels before you look.

These three habits -- weight and distance together, trace the chain link by link, and reason from the quantity not the shape -- are what practical mechanical judgement is built on. They are learned by doing, and they transfer to any role that calls on them. We hope this feedback is useful, and we wish you well with your application.