Design a Paper Bridge for a Toy Cart

Answers and adult support.

Adult setup and boundaries

Use paper, two low stable blocks and one small toy cart on the floor. An adult sets a 10 cm gap. Use no sharp edges, heat, electricity or heavy loads. This is a small model: never stand, climb or place body weight on it.

Useful labelled plans

There is no single design answer. Look for a deck to cross, supports beneath the ends and edges that help the cart stay on the deck. Folded, rolled or layered paper ideas are welcome.

Test consistently

Try the same cart gently across the same gap. Observe whether the paper bends, slips or carries the cart. Stop if a support is unstable. Keep the gap, supports and cart the same while comparing a changed paper design.

Improve from evidence

Ask what happened and what one feature could change. Record the next result even if the improvement did not help. A success with one cart and gap does not prove the design will carry any load.