

Sample Items for PISA 2025 Computational Problem Solving (CMPS)

As part of the new CMPS assessment, students work through tasks of increasing complexity, with access to resources such as tutorials, feedback and examples.

In the “Recycling Claw” unit, students are required to program a robotic claw to sort different objects, mimicking what is done at a recycling plant.

Cognitive sub-scale	Programming
Cognitive process	Build and debug computational artefacts

Recycling Claw

Apply ●●★

Task Solutions Submit

Sort the objects into their goal state positions using as few blocks as possible.

Code blocks

move left

move right

pick up

place

repeat 0 times

if claw is holding

else

Workspace

when run

Blocks used: 1

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Recycling claw

Run

Goal state

slow fast