

## How can simulations be useful?

Word	Definition	Key Knowledge and Concepts		<u>Unit 3.7 Simulations</u>
Simulation	A computerised model of a real-life situation	In this simulation, you will need to say whether a solution is “helpful” or “not helpful” to help Mariza after she has been locked out of her house! Can you solve the problem?		In this simulation, your task is to save stranded astronauts. You will need to make tough decisions and solve problems.
Problem	Something that has gone wrong			
Solution	Finding an answer to a problem that works			
Real Life	The world that we live in as humans			

If something is dangerous or would cost lots of money to do, people can use a simulation to see what would happen.

Here are some simulations that people use:

A flight simulation to train to be a pilot

A simulation of a building being demolished

Simulating how much weight a bridge can take before building