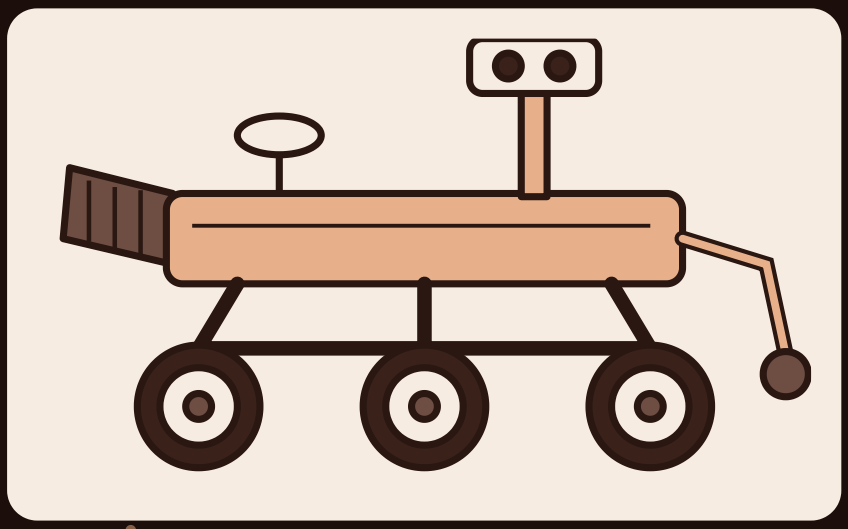
Mars Printables Free Sample

A taste of the Mars packs from mars.planets.im



FREE · 6 PAGES · A4 + US LETTER

One rover puzzle · one colouring page · one poster

Printable PDF · A4 · info@reallybyte.com

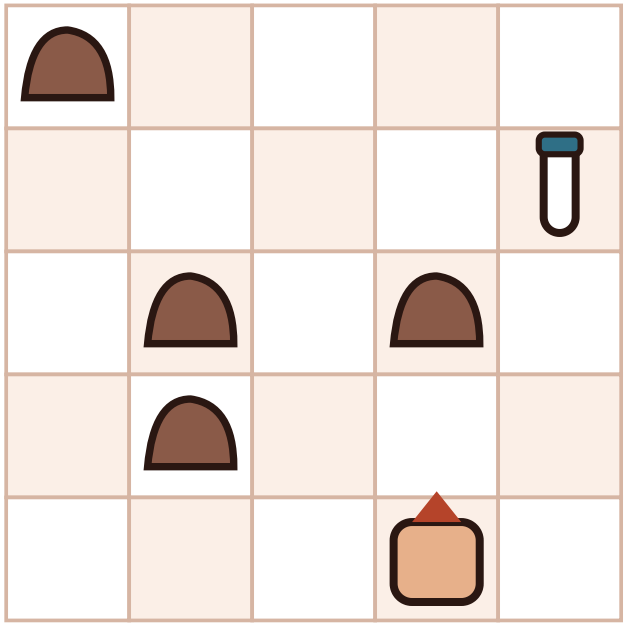
ROVER PROGRAMMING

Drive the rover

Two drives for new drivers (answers on the last page)

How to drive: the rover starts facing **up** (the red arrow). Write one command per box. **F** = forward one square · **L** = turn left on the spot · **R** = turn right on the spot. Rocks block the way. Reach the sample tube in as few commands as you can! Real rovers are driven by people on Earth, who send commands to the rover. Engineering cameras help human operators on Earth drive Perseverance more precisely.

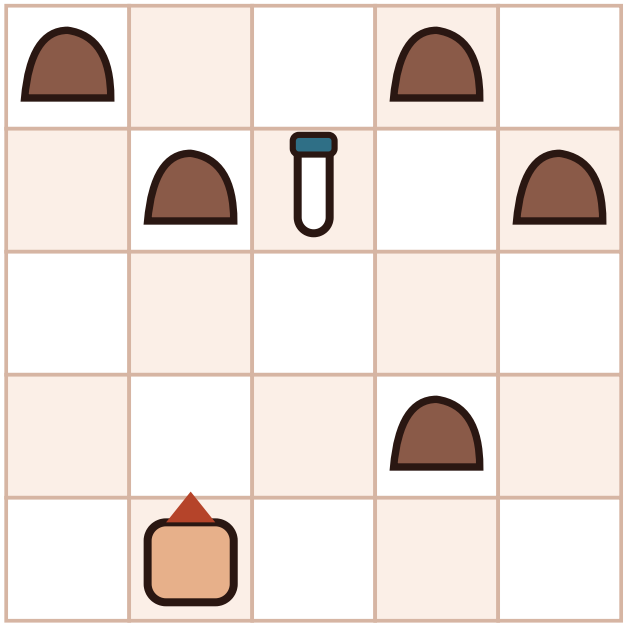
Drive 1



MY COMMANDS

Number of commands: _____

Drive 2



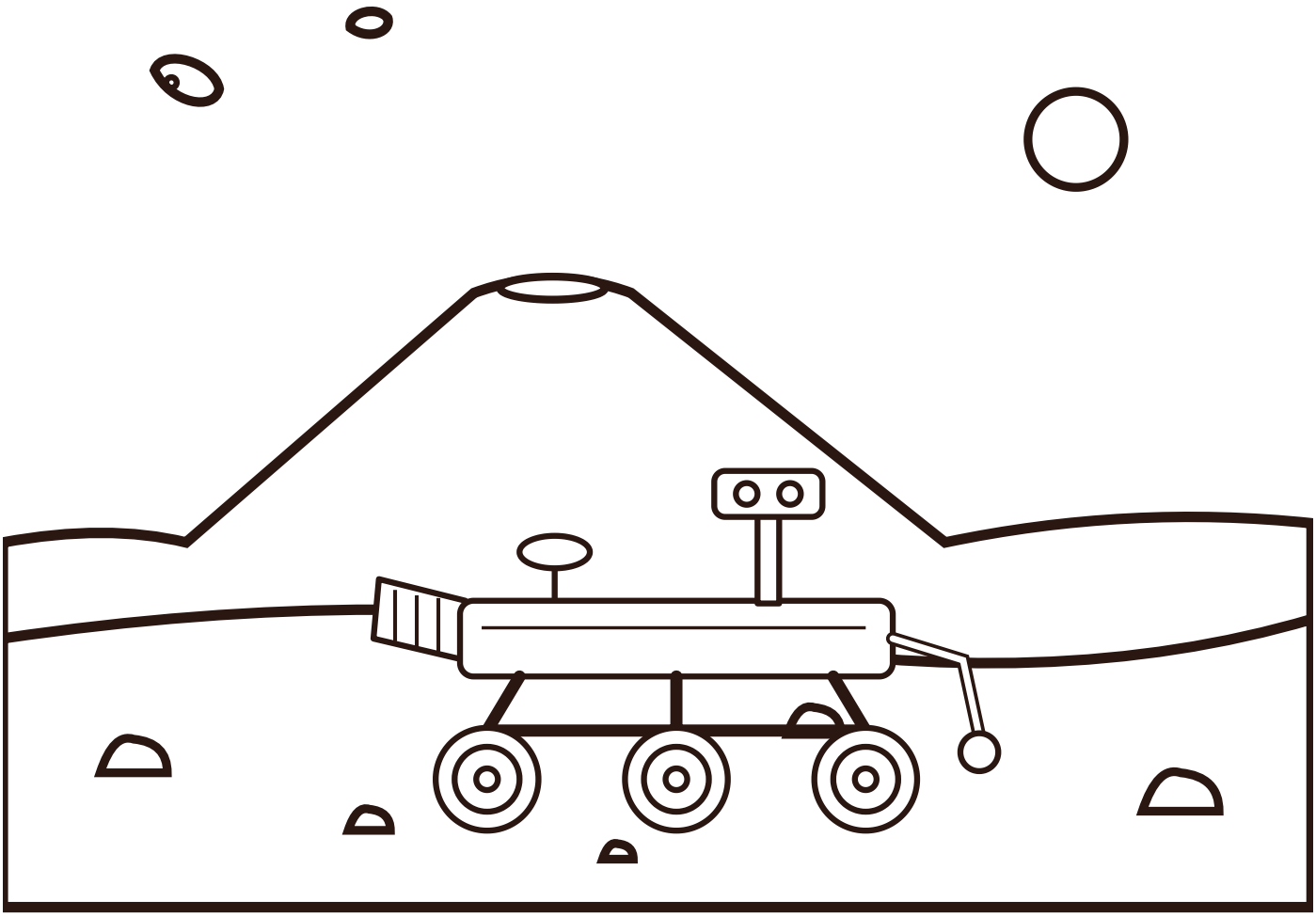
MY COMMANDS

Number of commands: _____

COLOUR ME

Rover on the move

Colour the rover, the hills and the rocks



Mars is one of the most explored places in the solar system, and the only planet where we've sent rovers to roam. Perseverance has six wheels, each with its own motor.

MARS FACTS POSTER

Mars has blue sunsets

Sunset in Gale Crater, photographed by Curiosity

Blue sunsets

Sunsets on Mars glow blue. Fine dust lets blue light through more easily, so the blue stays close to the Sun.

Curiosity photographed its first colour sunset on sol 956 of its mission, 15 April 2015, in Gale Crater.

ANSWER KEY · FOR ADULTS

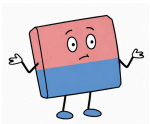
Drive 1: F R F L F F

Drive 2: F F R F L F

Any route that reaches the tube without hitting a rock counts. These are the shortest we found.

WANT MORE?

Six full Mars packs (mission control, Mars vs Earth worksheets, mission cards, activity and colouring, posters, quiz and word puzzles) are available from the ReallyByte store: see mars.planets.im/support/ for links. Free Mars facts and games: mars.planets.im



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Credits, licence & help

The small print, kept short

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PICTURES

IMAGE	CREDIT	LICENCE	SOURCE PAGE
PIA19400-MarsCuriosityRover-GaleCrater-Sunset-20150415.jpg	NASA/JPL-Caltech/MSSS	Public domain	commons.wikimedia.org/wiki/File:PIA19400-MarsCuriosityRover-GaleCrater-Sunset-20150415.jpg

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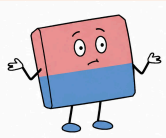
WHERE THE FACTS COME FROM

Every fact in this pack was checked against the NASA and ESA pages below on 25 Oct 2026. These are fixed facts that do not depend on the date. Answers to maths questions are worked out from those figures.

NASA Science: Perseverance rover components: science.nasa.gov/mission/mars-2020-perseverance/rover-components/
NASA Science: Mars facts: science.nasa.gov/mars/facts/
NASA Photojournal: Sunset in Mars' Gale Crater: science.nasa.gov/photojournal/sunset-in-mars-gale-crater/



NEED HELP?

Useless can't help (he's an eraser, and currently in charge of mission control), but we can. Problems with your file, or spotted something we should fix? Email **info@reallybyte.com**.

More free Mars facts and games: mars.planets.im