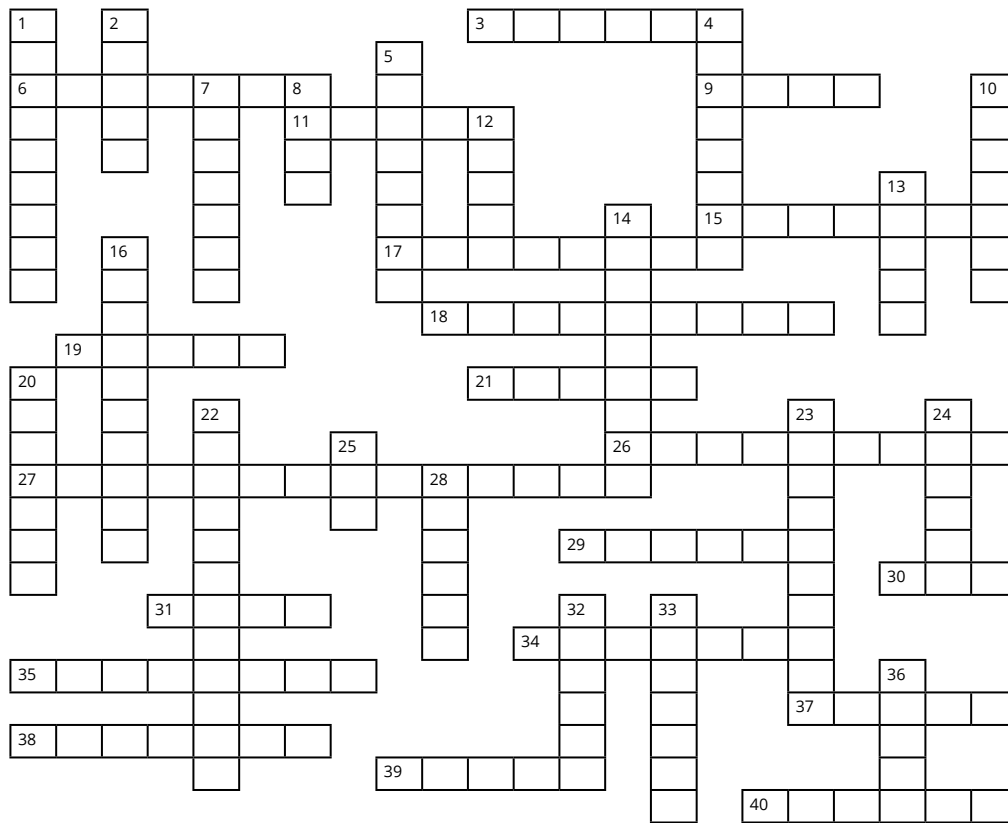


Test your knowledge

All of the answers can be found in this issue of Quest



ACROSS

- 3 South Africa's first national park
- 6 The 2020 Nobel Prize in Chemistry was awarded for work on ___ scissors
- 9 A government-funded programme for new academics
- 11 The lidar instrument on ICESat-2
- 15 Another name for a water monitor
- 17 Airborne particles are atmospheric ___
- 18 A fenced area to exclude grazers
- 19 Winners of this prize are known as laureates
- 21 Relating to the moon
- 26 A mirror that tracks the sun at solar CSP facilities
- 27 The process of taking measurements from photographs
- 29 A satellite supporting bathymetry mapping using lidar
- 30 An acronym for the Fourth Industrial Revolution
- 31 The gas and dust 'halo' of a comet
- 34 A satellite using lidar to detect particles in the air and sea
- 35 This scientist developed the general theory of relativity
- 37 Another name for a UAV or RPAS
- 38 An insect that builds large mounds
- 39 Acronym for light detection and ranging
- 40 A term used in the scientific name of many lizard-like animals, including dinosaurs

DOWN

- 1 DVM is an acronym for diel vertical ___
- 2 Mushrooms are part of this plant group
- 4 Another name for the ring-necked spitting cobra
- 5 Our galaxy is called this
- 7 DTM is an acronym for digital ___ model
- 8 A lidar instrument on the International Space Station
- 10 This biome contains elements of grasslands and forests
- 12 Describes a type of renewable energy
- 13 Succulent alien invasive plants often associated with deserts
- 14 Lidar-derived information on both topography and bathymetry
- 16 Self-driving cars are ___ vehicles
- 20 Describes species that look similar but have genetic differences distinguishing them as separate species
- 22 The term for solar panels
- 23 A set of data points with XYZ coordinates, representing a 3D object
- 24 This project uses lidar to digitally preserve heritage sites
- 25 Rotation around a vertical axis, as in a wind turbine
- 28 Correct name for a shooting star
- 32 Describes a bird of prey
- 33 A museum exhibit with three-dimensional models in front of a painted scene
- 36 Khi Solar One is a solar ___ power plant

BRAINTEASERS

Desmond won the lottery. He spent two-thirds of his winnings on a new car. He spent two-thirds of what he had left renovating his house. Then he spent two-thirds of what he had left on an overseas holiday. He spent his last R20 000 on new clothes. How much did Desmond win on the lottery?

Rose put some 10 cent coins on the table. Half of them were tails up. Rose turned over two of the coins, and then a third of them were tails up. How many coins did Rose put on the table?

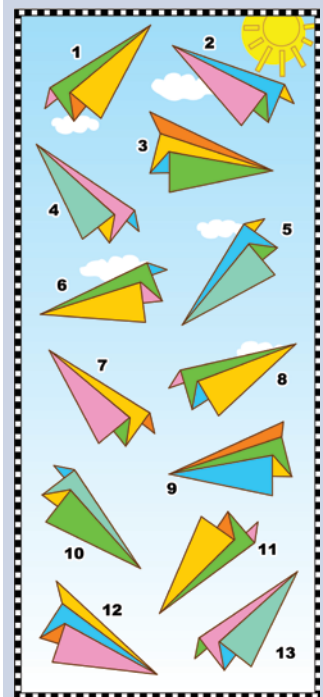
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Answers to Brainteasers in Vol. 16 No. 3

Lethabo is 9 years old. Mary is either 48 or 104.

PICTURE PUZZLE

Find the two identical paper plane images (they may be rotated).



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