KS2 SCIENCE · EARTH AND SPACE (YEAR 5)

Your age on other planets

A year on a planet = one orbit of the Sun

Name: _____

Date: _____

Each planet takes a different time to orbit the Sun, so a 'year' is a different length on each planet. Work out your age in days, then divide by the length of the planet's year. You may use a calculator.

Worked example: a 10-year-old on Mars

Step 1: age in days = 10 × 365¼ = about 3,653 days

Step 2: divide by the Mars year: 3,653 ÷ 687 = 5.3

So a 10-year-old on Earth is about 5.3 years old on Mars!

My age on Earth: _____ years × 365¼ = _____ days

Planet	One year on the planet (in Earth days)	My age there
Mercury	88 days	_____
Venus	225 days	_____
Earth	365¼ days	the same as now!
Mars	687 days	_____
Jupiter	4,333 days	_____
Saturn	10,759 days	_____
Uranus	30,688 days	_____
Neptune	60,182 days	_____

? Think about it

On which planet are you 'oldest'? Why?

_____

On which planet are you not even 1 year old yet? Why?

_____

Answers for a 10-year-old: Mercury 41.5, Venus 16.3, Mars 5.3, Jupiter 0.84, Saturn 0.34, Uranus 0.12, Neptune 0.06. Oldest on Mercury (shortest year). Under 1 on Jupiter, Saturn, Uranus and Neptune (their years are longer than 10 Earth years). Try the age calculator on the website to check your answers.