

INTERPRETING TABLES 1

138

TARGET To read and interpret information in a table.

This table shows the planets in our solar system in order of distance from the Sun.

Planet	Number of moons	Year length (Earth days/years)	Day length (Earth hours \ days)	*Diameter (miles)	Temperature	
					Max. (°C)	Min. (°C)
Mercury	0	88 days	59 days	3031	430	-184
Venus	0	225 days	243 days	7521	464	464
Earth	1	365 days	24 hours	7926	57	-89
Mars	2	687 days	24.6 hours	4222	20	-120
Jupiter	67	11.9 years	9.8 hours	88729	-110	-110
Saturn	62	29.5 years	10.2 hours	74 600	-140	-140
Uranus	27	84.1 years	17.9 hours	32 600	-197	-197
Neptune	13	164.8 years	19.1 hours	30 200	-204	-204

*The diameter of a planet is a straight line from one side to the opposite side passing through the centre of the planet.

Examples

What is the diameter of Mars?

Answer 4222 miles

Which planet has days 10.2 hours long?

Answer Saturn

A

- How many moons does Mars have?
- How long is a year on Mercury?
- What is the diameter of the Earth?
- What is the temperature on Saturn?
- How long is a day on Uranus?



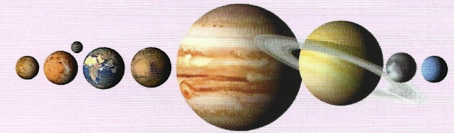
- Which planet has a maximum temperature of 20°C?
- Which planet has 67 moons?
- Which planet has a year 29.5 years long?
- Which planet has a diameter of 30 200 miles?
- Which planet has a day 59 times longer than a day on Earth?



B

Look at the table on page 138.

- Which planets are moonless?
- In the table year lengths are rounded to the nearest whole day. Give the actual length of Earth's year correct to 2 decimal places.
- Which planet is closest to the Earth:
 - in size (diameter)
 - in length of day
 - in length of year?
- Which planet is:
 - furthest from the Sun
 - closest to the Sun?



- Which planet is:
 - coldest
 - hottest?
- Which planet has:
 - the longest day
 - the shortest day?
- Which two planets have a diameter approximately four times that of Earth?
- What is the difference between the maximum and minimum temperatures:
 - on Mercury
 - on Earth
 - on Mars?
- How many planets have:
 - a shorter year than Earth
 - a shorter day than Earth?

C

Look at the table on page 138.

- Which planet has a day longer than its year?
- What is the difference in maximum temperature between the hottest planet and the coldest planet?
- Which planet takes the least time to orbit the Sun?
- How much longer does it take Mars than Earth to:
 - rotate on its axis
 - orbit the Sun?
- Give the total number of moons in our solar system.
- On which planets would it be impossible to drink a glass of water? Give an explanation for your answer.
- List the planets in order of:
 - size, largest first
 - length of day, shortest first
 - minimum temperature, lowest first.
- In 2046 you are the first astronaut to make use of space/time wormhole portal technology to explore the planets orbiting a distant star. Give information about the planets of that solar system in a table.

