

**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

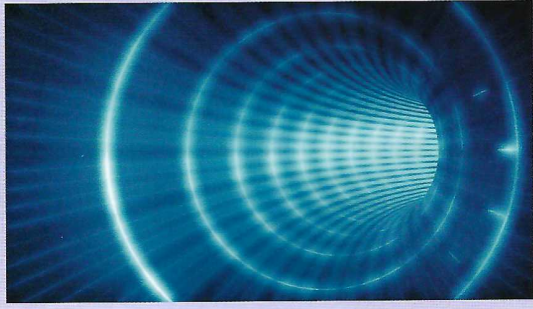
**A**

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



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





- C** Look at the table on page 138.
- 1 Which planet has a day longer than its year?
  - 2 What is the difference in maximum temperature between the hottest planet and the coldest planet?
  - 3 Which planet takes the least time to orbit the Sun?
  - 4 How much longer does it take Mars than Earth to:
    - a) rotate on its axis
    - b) orbit the Sun?
  - 5 Give the total number of moons in our solar system.
  - 6 On which planets would it be impossible to drink a glass of water? Give an explanation for your answer.
  - 7 List the planets in order of:
    - a) size, largest first
    - b) length of day, shortest first
    - c) minimum temperature, lowest first.
  - 8 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.



- B** Look at the table on page 138.
- 1 Which planets are moonless?
  - 2 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.
  - 3 Which planet is closest to the Earth:
    - a) in size (diameter)
    - b) in length of day
    - c) in length of year?
  - 4 Which planet is:
    - a) furthest from the Sun
    - b) closest to the Sun?
  - 5 Which planet is:
    - a) coldest
    - b) hottest?
  - 6 Which planet has:
    - a) the longest day
    - b) the shortest day?
  - 7 Which two planets have a diameter approximately four times that of Earth?
    - a) the difference between the maximum and minimum temperatures:
    - b) on Earth
    - c) on Mars?
  - 8 How many planets have:
    - a) a shorter year than Earth
    - b) a shorter day than Earth?