

VOCABULARY

Space | Dimensions and distance | Large numbers | Space travel | Space science

GRAMMAR

Zero, First and Second Conditionals | Third Conditional

1 ● Look at the photos and complete the words.



1 comet



2 a _____



3 the International S _____ S _____



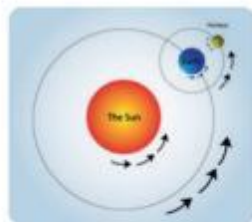
4 s _____



5 p _____



6 E _____



7 o _____



8 m _____



9 t _____

2 ●● Write the correct word for each definition.

- a scientist who studies the stars and planets:
astronomer
- a device which uses mirrors to make distant objects look larger and closer: t _____ e
- a man-made object moving around a planet in space – it can send digital information across the world: s _____ e
- a person who travels in space: a _____ t
- the collection of eight planets (including Earth) and their moons that travel around the Sun:
s _____ r s _____ m
- a system of millions or billions of stars – ours is called the Milky Way: g _____ y



3 ● **WORD FRIENDS** Decide if the pairs of sentences are the same (S) or different (D).

- It's 120 cm long.
The length is 120 cm. S
- We're ten kilometres away from home.
We're travelling at ten kilometres an hour. _____
- The mountain is 3,000 m high.
The width of the mountain is 3,000 m. _____
- I live five kilometres from school.
My school is five kilometres away. _____
- The speed limit is thirty kilometres per hour.
The speed limit is thirty kilometres an hour. _____
- It takes me twenty minutes to get home from here.
My journey home is twenty kilometres long. _____

- 4 ●● Complete the sentences with one word in each gap.



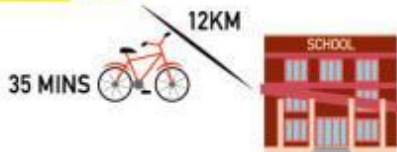
- 1 The satellite is ten metres long.
- 2 The _____ is ten metres.
- 3 It's four metres _____.
- 4 The _____ is four metres.



- 5 Slow down! You're doing 120 kilometres per _____!



- 6 I live twelve kilometres _____ my school.
- 7 It usually _____ me thirty-five minutes to cycle there.



- 5 ● Write the numbers.

- 1 six hundred and fifty-eight: 658
- 2 eight million three hundred thousand: _____
- 3 three thousand seven hundred and sixty-nine: _____
- 4 four billion eight hundred and seventy-two thousand: _____
- 5 nine point three million: _____

- 6 ●● Choose the correct option.

- 1 The number of (satellites) / *telescopes* in the Earth's orbit at the moment is estimated to be four *thousand* / *thousands* five hundred and fifty.
- 2 Our *galaxy* / *moon* is over a *hundred*, *thousand* / *hundred thousand* light years across.
- 3 The satellite is twenty metres *long* / *length* and its *wide* / *width* is five metres.
- 4 The closest *star* / *spacecraft* to our Sun is *four point two* / *four stop two* light years away.
- 5 There are normally six or seven *astronomers* / *astronauts* on board the *space station* / *system*, but sometimes there are ten or more.
- 6 The railway station is ten kilometres *from* / *away* the city centre. It *takes* / *walks* half an hour to get there.
- 7 There are eight *planets* / *stars* in our *space station* / *solar system*.
- 8 If you look carefully through the *satellite* / *telescope*, you can sometimes see a *comet* / *moon*.

- 7 ●● Write the numbers as words.

- 1 6,499: six thousand four hundred and ninety-nine
- 2 6.8 billion: _____
- 3 7,000,300,000: _____
- 4 123: _____
- 5 476,000: _____
- 6 12,413,389,672: _____

- 8 ●●● Complete the words in the article.



Space facts

you might not know

The closest ¹*planet* to Earth is Venus, which is over about sixty-one million kilometres ²*a* _____. The furthest planet from Earth in our solar ³*s* _____ is Neptune, which is up to 4.6 billion kilometres ⁴*f* _____ Earth. Some think that Pluto is the furthest at 7.47 billion kilometres away, but in 2006 scientists decided that Pluto is not actually a planet. The largest planet is Jupiter, and it has at least sixty-seven ⁵*m* _____ in its orbit.

The first ⁶*a* _____ was Yuri Gagarin. He travelled into ⁷*o* _____ on Vostok 1 and in 1961 became the first man in space. Vostok 1 was small – it was only 2.3 metres ⁸*w* _____ – and the mission lasted a hundred ⁹*a* _____ eight minutes. This was incredible at the time because a spacecraft has to travel at over 40,000 kilometres ¹⁰*p* _____ hour to leave the Earth's atmosphere.