To the stars and beyond

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

GRAMMAR
Zero, First and Second Conditionals | Third Conditional

5 5.1 Vocabulary

Space

1 ● Look at the photos and complete the words.

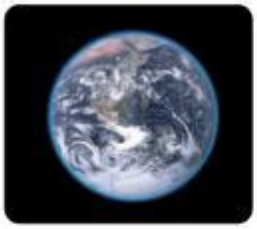
1 *comet*

2 a_____

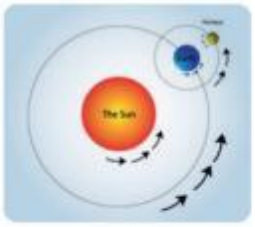
3 the International S_____ S_____

4 s_____

5 p_____



6 E_____



7 o_____

8 m_____

9 t_____

2 ●● Write the correct word for each definition.

1 a scientist who studies the stars and planets: a*stronomer*
2 a device which uses mirrors to make distant objects look larger and closer: t_____e
3 a man-made object moving around a planet in space – it can send digital information across the world: s_____e
4 a person who travels in space: a_____t
5 the collection of eight planets (including Earth) and their moons that travel around the Sun: s_____r s_____m
6 a system of millions or billions of stars – ours is called the Milky Way: g_____y

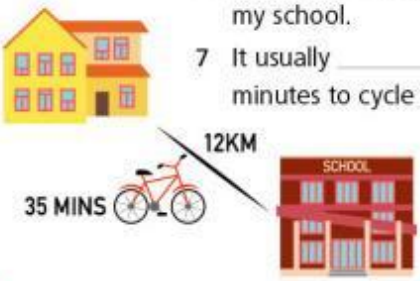
3 ● **WORD FRIENDS** Decide if the pairs of sentences are the same (S) or different (D).

1 It's 120 cm long.
The length is 120 cm. *S*
2 We're ten kilometres away from home.
We're travelling at ten kilometres an hour. ____
3 The mountain is 3,000 m high.
The width of the mountain is 3,000 m. ____
4 I live five kilometres from school.
My school is five kilometres away. ____
5 The speed limit is thirty kilometres per hour.
The speed limit is thirty kilometres an hour. ____
6 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]p*lanet* 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.

I can talk about space and use large numbers.