

英 語

問題冊子 2

注 意

「問題冊子 2」に印刷されている問題は、 から までで、2 ページから 14 ページまであります。

2

次の対話の文章を読んで、あとの各問に答えなさい。

(*印の付いている単語・語句には、本文のあとに〔注〕がある。)

*Mayu is a first-year high school student. Jane is a student from Australia. They are sixteen years old and are members of the science club. Yuta, Mayu's brother, is three years older than Mayu. He is studying science and technology at college. Mayu's grandfather is driving a car to take them to a *space museum.*

Mayu: Look at that white dome!

Jane: Wow! How big! I've really wanted to visit the museum. It's very famous for its *planetarium.

Mayu: The dome is called 'Space Egg.' We can see about 140,000,000 stars at the planetarium. The number is the largest in the world.

Yuta: That sounds exciting. I can't wait to watch a show!

They are now at the entrance hall of the museum on the first floor.

Mayu: Look at this list. We can see ticket *prices and show times.

<Ticket Prices>

TICKETS	ADULT	CHILD (4-17)	*SENIOR (over 60)
*ADMISSION	500 yen	200 yen	300 yen
ADMISSION & PLANETARIUM	1,000 yen	400 yen	600 yen
ONE-YEAR TICKET (including PLANETARIUM)	3,000 yen	1,200 yen	1,800 yen

<Show Times>

1	9:30 ~ 10:10	4	13:00 ~ 13:40
2	10:40 ~ 11:20	5	14:10 ~ 14:50
3	11:50 ~ 12:30	6	15:20 ~ 16:00

Grandpa: I can get cheaper tickets for many places. It's sometimes nice to be old.

Jane: You speak English very well, Mr...

Grandpa: You can call me Grandpa, Jane.

Jane: OK, Grandpa. Do you use English for your work?

Grandpa: Actually, I taught English at several junior high schools for forty years. Now, I teach small children how to make traditional Japanese toys as a volunteer. Anyway, I'll pay for all of you.

Jane: Thank you very much.

Mayu: I have a one-year ticket, Grandpa. Mom and Dad gave me this ticket for my birthday. This is the first time to use it.

They go up to the second floor.

- Jane:* Look at the picture of the *solar system. The earth is really small.
- Yuta:* We're very lucky to live on the earth.
- Mayu:* What do you mean?
- Yuta:* The earth is the right *distance from the sun. If it's closer to the sun, it'll be too hot. And if it's *farther from the sun, it'll be too cold.
- Grandpa:* That's right. The sun helps us in many ways.
- Mayu:* We have solar *panels on our school building. (2)-a
- Yuta:* Do you know that solar panels are used in space, too? Several ideas for such solar panels are explained in this room.
- Mayu:* Many scientists have wanted to make new solar panels which they can carry into space easily. Some of them came up with ideas from Japanese *origami*. They thought of folding solar panels!
- Grandpa:* Is that true?
- Yuta:* Yes. In a science magazine, I read about an engineer in America. He studied at a Japanese high school when he was young. Then his host mother taught him how to fold a paper crane. He was *inspired by *origami*, and he's now making new solar panels.
- Mayu:* *Origami*-inspired technology is popular now. For example, special panels are used for the floors of the *Shinkansen*. They can *absorb shock. There are also *origami*-inspired cans, plastic bottles and....
- Jane:* Mayu, I have a map in my bag. My host mother bought it for me in Kyoto last week. Here it is. Are *origami* skills used in this map, too?
- Mayu:* Oh, yes! If you pull two corners of the map, you can spread it in one *motion. Why don't you try it, Yuta?
- Yuta:* Wow! (3)
- Jane:* It really is. You can also fold it back in one motion.
- Grandpa:* That's amazing! (2)-b Our tradition is treasure, so we should keep such treasure and give it to younger generations. Jane, can I borrow your map for a few days? I want to show it to my little students next Sunday.
- Jane:* Of course, Grandpa. I'm very interested in traditional Japanese culture. Can I join your class on Sunday?
- Grandpa:* Sure. My students will be happy if you join us.

After they look around for two hours, they are at the museum restaurant on the fifth floor.

- Jane:* It's already twelve thirty! I'm really hungry. Look! We can eat real space food here. Rice, bread, curry and *shrimp-gratin. Oh, we can eat even *takoyaki*!
- Mayu:* There are some sweets like *pudding and ice cream, too!

Grandpa: I didn't know there are so many kinds of space food. I'll try 'Space *Ramen*.' Does it taste like real *ramen*?
Yuta: I'll try it, too, Grandpa. And *onigiri* and *takoyaki*.
Mayu: Oh, you'll eat a lot! Shall we share curry and shrimp-gratin, Jane?
Jane: Yes. Let's buy ice cream, too!

They are now having space food at a table.

Grandpa: It tastes good! I've just remembered a story about some Japanese high school students. They made one kind of space food.
Mayu: Oh, I've read the story in a newspaper, too. They are high school students in Fukui Prefecture, and their school has tried to make space food for more than ten years. I'm sure the students experienced *trial and error.
Yuta: I agree. To make space food, we have a lot of things to solve. First, space food should not *go bad easily. Second, it should be light. (2)-c
Grandpa: Astronauts cannot cook in a space ship because they don't take many tools for cooking into space.
Yuta: That's right. There's one more thing. Space food should keep astronauts healthy during the space travel.
Jane: I can say two more things. If space food smells strong, it'll be a problem because they can't open windows in a space ship. Also, it should not be influenced by *heat and shock!
Grandpa: I hear space food tasted bad about fifty years ago, but since then it has improved so much. I believe the most important thing for space food is to be delicious. The lives of astronauts in space are harder than on the earth. They ⁽⁴⁾【ア their lives イ difficult ウ makes エ something オ happier カ need キ that ク during】 activities in space.
Jane: I think so, too, Grandpa. Oh, no! We've talked too long. It's already one fifty!
Mayu: Don't worry, Jane. We'll be able to watch the next show. The entrance of the planetarium is just below this floor. Let's go!

They arrive at the entrance of the planetarium.

Jane: Look at the long line of people over there!
Yuta: The sign says that the next show is already full. We have to wait for the last show.
Mayu: All right. We should wait in a line here for thirty minutes before the last show starts. Until then, Jane and I will look around the museum shop on the first floor.
Grandpa: I want to have a cup of coffee at the cafeteria on the third floor.

Yuta: I'll go back to the second floor to see a short movie about *Hayabusa 2*.

Mayu: See you then. Don't be late, everyone.

(5)

They come out of the planetarium after the show.

Jane: The show was great. I was so glad to see the *Southern Cross in the show. It's the symbol of Australia and you can see it in our national flag. What did you think of the show?

Mayu: Through the show, I felt that we're surrounded by so many stars. I want to study about them.

Yuta: Me, too. I've decided to study space technology. Space technology is not just for space *development. It has created many useful things which are now part of our daily lives like light *metals used for glasses or tennis rackets.

Grandpa: Today I've learned much about space, but there are still many things to see in this museum. So I'm thinking of . OK, everyone. Let's go home. Grandma is preparing dinner for all of us!

[注] space 宇宙

price 値段

admission 入館料

distance 距離

panel パネル

absorb shock 衝撃を吸収する

shrimp-gratin エビグラタン

trial and error 試行錯誤

heat and shock 熱と衝撃

development 開発

planetarium プラネタリウム

senior 高齢者

solar system 太陽系

farther far の比較級

inspire 着想を与える

motion 動作

pudding プリン

go bad 腐る

Southern Cross 南十字星

metal 金属

〔問1〕 ⁽¹⁾ I'll pay for all of you. とあるが、次の英語の質問の答えとして最も適切なものは、下のうちではどれか。

How much did Grandpa pay when they entered the museum?

ア 1,400 yen イ 1,800 yen ウ 2,000 yen エ 2,400 yen

〔問2〕 ~ の中に、それぞれ次のA~Dのどれを入れるのがよいか。その組み合わせが最も適切なものは、下のア~カの中ではどれか。

- A I hear it's so expensive to carry things into space.
- B We can save electricity and reduce CO₂ at the same time.
- C We can see a lot of stars even on cloudy or rainy days.
- D I'm impressed to know that these great ideas came from Japanese tradition.

	<input type="text" value="(2)-a"/>	<input type="text" value="(2)-b"/>	<input type="text" value="(2)-c"/>
ア	B	A	D
イ	B	D	A
ウ	C	B	A
エ	C	D	B
オ	D	A	C
カ	D	C	B

〔問3〕 本文の流れに合うように、 に英語を入れるとき、最も適切なものは次の中ではどれか。

- ア The folded map in your small bag is actually big when it's opened.
- イ The beautiful map of Kyoto was made by your host mother.
- ウ This map is so small that I can't open it in one motion.
- エ This kind of map used to be a popular toy like a paper crane.

〔問4〕 ⁽⁴⁾ 【ア their lives イ difficult ウ makes エ something オ happier カ need キ that ク during】 について、本文の流れに合うように、【】内の単語・語句を正しく並べかえるとき、【】内で3番目と6番目にくるものの記号を答えなさい。

〔問5〕 ⁽⁵⁾ See you then. とあるが、次の質問に対する答えを完成させるとき、下の (a) に入る適切なものをグループ A から、(b) に入る適切なものをグループ B からそれぞれ選びなさい。

When and where will they meet?

They will meet at (a) p.m. at the entrance of the planetarium on the (b) floor.

グループ A	ア	1:40	イ	2:30	ウ	2:50	エ	3:40	オ	4:50
グループ B	ア	second	イ	third	ウ	fourth	エ	fifth	オ	sixth

〔問6〕 本文の流れに合うように、(6) に英語を入れるとき、最も適切なものは次の中ではどれか。

- ア taking you all to an art museum next time
- イ buying some 'Space Ramen' for my little students
- ウ making a map with *origami* skills in the next class
- エ getting a one-year ticket for the museum

〔問7〕 本文の内容と合っているものを、次のア～キの中から二つ選びなさい。

- ア The space show at the planetarium is forty-five minutes long and is held five times in a day.
- イ Before visiting the museum with Jane, Yuta and Grandpa, Mayu didn't use the one-year ticket given by her parents.
- ウ When Yuta looked at the picture of the solar system, he said, "It'll be too hot to live on the earth if it is farther from the sun."
- エ A science magazine says that an engineer in America learned how to fold a paper crane from his school friends in Japan.
- オ At the museum restaurant, Mayu, Jane, Yuta and Grandpa all ate different kinds of space food.
- カ Astronauts can take the food which smells strong into their space ships if it doesn't go bad easily.
- キ There are many helpful things created by space technology not only for space development but also for our daily lives.

〔問8〕 次の文章は、Jane が家に帰ってからオーストラリアの家族に送ったEメールである。(a)～(d)に入る最も適切な英語1語をそれぞれ本文中から抜き出さない。

Hi, Mom and Dad! How have you been? I am enjoying my life in Japan.

Today I went to a space museum with Mayu, her brother Yuta, and her grandfather. I like Grandpa very much because he is kind. He works as a (a) and teaches children how to make traditional Japanese toys.

The exhibition was wonderful. I was especially surprised that (b) inspired by *origami* is used for solar panels and many other things around us. Grandpa said that tradition is treasure. I think so, too.

Also, we tried several kinds of space food at the restaurant. They tasted delicious! Space food has (c) a lot by trial and error for these fifty years. After lunch, we watched a show at the planetarium. I was happy to see the (d) of Australia, the Southern Cross.

I am going to join Grandpa's class next Sunday. I will write to you soon. Take care!

Lots of love,

Jane

- 3 次の文章を読んで、あとの各問に答えなさい。
(*印の付いている単語・語句には、本文のあとに〔注〕がある。)

Takuto is a second-year high school student and is a member of the soccer club at his school. One day in October, he got a foreign picture postcard from one of his friends. The postcard was from *Kenya, Africa, and two little boys wearing *bright-colored T-shirts were smiling in the picture. There was a short message on the postcard. “I am in Kenya now, Takuto! I will go back to Japan next March. I want to see you then. I am looking forward to talking with you about our dreams! Do you remember? It’s our *promise, right? Take care! From Satoshi” After he finished reading the postcard, Takuto said to himself, “I remember ⁽¹⁾our promise really well, Satoshi. But my dream.... What is my dream?”

The next day, after the practice of the soccer club, he left school with Keita. Keita was one of his teammates and his best friend. Takuto said, “Keita, do you have any plans for the future? For example, after ten years, what will you do? It’s a difficult question for me. How about you?” Keita answered, “I can clearly see myself in the future.” Takuto was surprised to hear that and said, “Really? Then what will you do after ten years?” Keita answered with a smile, “Well, I will make car *engines in a big car company in Japan. This has been my dream since I was five years old. So I want to study *mechanical engineering at university.” Takuto was a little shocked to hear that. Takuto and Keita went to the (2) elementary school and the (2) junior high school. Now they are in the (2) high school and play soccer together. Takuto thought he knew Keita very well, but he didn’t know anything about his dream. “Keita has already had plans for the future, but I have no idea about my future....” Takuto suddenly thought Keita looked older than him.

When Takuto got home, his mother said, “Takuto, there is an *article about someone you know very well in today’s newspaper.” Takuto wanted to read the article and soon found it in the newspaper. The article ⁽³⁾【ア people イ who ウ ten エ taking オ in 力 young Japanese キ were ク about ケ part コ was】volunteer work in ten different countries. Among the pictures, Takuto found a *familiar face. “Satoshi!” he cried. Satoshi was the oldest son of the Takagi family, the next-door neighbor of Takuto’s family. Five years ago, when Takuto was twelve years old, Satoshi and his family moved to another city. The article said that Satoshi was working as an elementary school teacher in a small town in Kenya, Africa. He is teaching children English and sports there. In the interview, Satoshi said, “Kenya is a *multilingual country with sixty different languages. So, to *communicate with each other, people in Kenya use English as one of their *official languages. Being able to speak English means that people can get better jobs in *society. I really enjoy teaching my students English and playing sports with them. I will go back to my university next spring, and after I graduate, I want to work for an *organization that gives education to children in developing countries.” When Takuto finished reading the article, he took out the postcard from Satoshi again.

Five years ago, one day in the spring vacation, Takuto and Satoshi went to the field along the Tama River to play soccer together for the last time. Though Satoshi was three years older than Takuto, they were good friends and were in a junior soccer team in the area. Satoshi decided to leave the team because he would move to another city the next Sunday and take an entrance examination for high school the next year. Along the *bank of the river, there were many cherry trees, and cherry blossoms were very beautiful. After they played soccer, they sat on the bank and drank cold tea. Satoshi said, “Takuto, let’s play soccer again someday. I hope we will talk about our dreams then.” Takuto was glad to hear that and said, “Yes! Let’s meet again and talk about our dreams!” Satoshi answered with a smile, “OK! It’s a promise!” Then they looked up at the cherry blossoms. The flowers were also looking at them *gently.

Takuto clearly remembered the promise and said to himself, “If I meet Satoshi now, (4).” He felt a little *anxious.

On the weekend Takuto’s father came back home from Hokkaido. He works for a *construction company, and now he is in an office in Hokkaido and lives there alone. The next day, they went *cycling along the Tama River. They often went cycling together, and Takuto really liked the time he spent with his father. After they enjoyed cycling along the Tama River, they sat on the bank and started to eat lunch. After lunch, Takuto said, “Dad, do you remember Satoshi, the boy who lived next door?” His father answered, “Yes, I remember him very well. Both of you were in the junior soccer team.” Takuto said, “Satoshi is now in Kenya, Africa, and is working as a volunteer teacher in an elementary school. He wants to work for children in developing countries in the future.” His father looked a little surprised and said, “Really? He has a great dream!” Takuto didn’t look at his father and started to talk about his real feelings. “My best friend Keita’s dream is to make car engines. I didn’t know about his dream at all. We have been good school friends since we were elementary school students. Both of them have clear goals. I’m trying hard to think of my future plans, but I haven’t found the answer yet. I feel a little anxious, Dad. There are many subjects to study at school and I really like some of them. Of course, there are some subjects which are difficult for me, but I know all of them are necessary for my future. I also know I have to study every day, though I sometimes feel very tired from my club activities. But Dad, ⁽⁵⁾what am I studying for? I am always busy in studying and playing soccer. I just go to and come back from school every day. I don’t know what I am *heading for.” His father was listening to Takuto without saying anything. After a few minutes, he started to talk. “Takuto, I don’t think I can explain to you very well, but I want to tell you my opinion. You are studying now to live in society in the future and you are studying for yourself, the people you love and the people you will meet in the future. *Knowledge about many things will be one of the most important tools to protect you and those people. People who save others’ lives or people who work for poor people in the world are great, of course, but I think everyone working in society helps someone else in their own ways. Remember this, Takuto.” Now Takuto was looking

at his father and listening to him carefully. His father kept talking. “Don’t be anxious, Takuto. Though you can’t find your dream for the future, it is very important to do things you have to do now. By spending each day with your family, friends and the people around you, you will be able to find your dream for the future.” Takuto felt his *worry was getting smaller. He said, “Thank you, Dad. I’ll do things I have to do every day and (6).” Then he gave his father a big smile.

When Takuto meets Satoshi again next spring, he is going to say to Satoshi, “I can’t keep our promise under the cherry blossoms now, because I can’t imagine where I will be and what I will do in the future. But I’m sure I will work hard in society for myself, my family and the people around me.”

[注] Kenya	ケニア	bright-colored	鮮やかな色の
promise	約束	engine	エンジン
mechanical engineering	機械工学	article	記事
familiar	よく知っている	multilingual country	多言語国家
communicate	意思を伝える	official language	公用語
society	社会	organization	団体
bank	土手	gently	優しく
anxious	不安な	construction company	建設会社
cycling	サイクリング	head for ~	～に向かっていく
knowledge	知識	worry	悩み

〔問1〕 ⁽¹⁾our promise とあるが、その内容を説明した次の文の () に、本文中で使われている連続する2語を補いなさい。

Takuto and Satoshi will meet again and tell () () about their dreams.

〔問2〕 本文の流れに合うように、(2) に英語1語を補いなさい。

〔問3〕 ⁽³⁾【ア people イ who ウ ten エ taking オ in カ young Japanese キ were ク about ケ part コ was】について、本文の流れに合うように、【 】内の単語・語句を正しく並べかえるとき、【 】内で4番目と8番目にくるものの記号を答えなさい。

〔問4〕 本文の流れに合うように、(4) に英語を入れるとき、最も適切なものは次の中ではどれか。

- ア I think we can enjoy talking about our dreams
- イ I think I can clearly explain about my dream
- ウ I don't think Satoshi can talk about his dream
- エ I don't think I can talk about my dream

〔問5〕 ⁽⁵⁾what am I studying for? とあるが、このように Takuto が感じた理由を最もよく表しているものは次の中ではどれか。

- ア Takuto doesn't know the reason for studying because all of the subjects he is studying are very difficult for him.
- イ Takuto doesn't know the reason for studying because he is busy every day and he has not found his own dream for the future yet.
- ウ Takuto doesn't know the reason for studying because he is not at all interested in any subjects he learns at school.
- エ Takuto doesn't know the reason for studying because he always feels tired from soccer practice after school.

〔問6〕 本文の流れに合うように、に英語を入れるとき、最も適切なものは次の中ではどれか。

- ア stop worrying too much about my dream for the future
- イ stop studying very hard to find my dream for the future
- ウ start asking my friends about their dreams for the future
- エ start thinking about my dream for the future very hard

〔問7〕 本文の内容と合っているものを、次のア～キの中から二つ選びなさい。

- ア Takuto got a long letter from Satoshi one day, and in the letter Satoshi wrote about his daily life at university.
- イ In Kenya, people don't need to learn English at school because they speak only one language.
- ウ If someone living in Kenya is able to speak English, one of the official languages, he or she can get a better job in society.
- エ When Takuto played soccer with Satoshi five years ago, he just said good-bye to Satoshi and didn't make any promise.
- オ Takuto's father was really glad to know about his son's dream for the future and gave him a lot of advice about it.
- カ Takuto's father believes that everyone can help someone else in their own ways by working in society every day.
- キ Takuto isn't going to meet Satoshi next spring because he won't be able to talk with him about his dream for the future.

〔問 8〕 次の文章は、Takuto が Satoshi と再会してから 3 年後に書いた手紙の一部である。与えられた書き出しに続けて 40 語以上 50 語程度の英語で Takuto が将来したいことと、その理由を書き、手紙を完成させなさい。ただし、自由に想像し、本文中で語られている将来の夢は使わないこと。「,」「.」「!」「?」などは語数に含めない。これらの符号は、解答用紙の下線部と下線部の間に入れなさい。

Dear Satoshi,

Three years ago, I didn't have any future plans. But I have found my dream for the future at last!

I'm looking forward to seeing you again!

Takuto

2
1
1

英

語

解答用紙 英語

(2-立)

マーク・解答上の注意事項

- 受検番号欄は、HB又はBの鉛筆（シャープペンシルも可）を使って、○の中を正確に塗りつぶすこと。
- 記入した内容を直すときは、きれいに消して、消しぐずを残さないこと。
- 決められた欄以外にマークしたり、記入したりしないこと。

良い例	悪い例		
	線	小さい	はみ出し
	丸囲み	レ点	うすい

受 検 番 号						
○	○	○	○	○	○	○
①	①	①	①	①	①	①
②	②	②	②	②	②	②
③	③	③	③	③	③	③
④	④	④	④	④	④	④
⑤	⑤	⑤	⑤	⑤	⑤	⑤
⑥	⑥	⑥	⑥	⑥	⑥	⑥
⑦	⑦	⑦	⑦	⑦	⑦	⑦
⑧	⑧	⑧	⑧	⑧	⑧	⑧
⑨	⑨	⑨	⑨	⑨	⑨	⑨

1	[問題A]	〈対話文1〉		〈対話文2〉		〈対話文3〉	
	[問題B]	〈Question 1〉					
		〈Question 2〉					

2	[問1]		[問2]		[問3]	
	[問4]	3番目		6番目		
	[問5]	(a)		(b)		
	[問6]					
	[問7]					
	[問8]	(a)		(b)		
		(c)		(d)		

3	[問1]					
	[問2]					
	[問3]	4番目		8番目		
	[問4]		[問5]		[問6]	
	[問7]					

受 検 番 号					

3	〔問8〕	_____	_____	_____	_____	_____	_____	
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____
		_____	_____	_____	_____	_____	_____	_____

40語

50語