

Did you have a good Golden Week? Did you go anywhere? The weather was ok, but it was not as nice as I'd hoped. My family and I stayed in Sapporo and did things near our house. It was very nice. We are lucky because we had holidays in the middle of the week, too, but my daughter had to go to school because she is an elementary school student. This Friday we have the long walk. It is going to be a lot of fun. I love it every year. I'm hoping that the weather will be nice. Not too cold and not too hot. Perfect walking weather. If you are in the 1<sup>st</sup> and the 4<sup>th</sup> grade, you have never done it before, but don't worry because it is a lot of fun.



15 differences

Last week's answer



### Something you didn't know about rivers

1. The Nile is said to be<sup>1</sup> the longest river in the world at 6,650 km long, but some people say that the Amazon is longer. The problem is, it is very difficult to find the source of either river.
2. The Amazon is the biggest river by volume<sup>2</sup> of water. It releases 209,000 m<sup>3</sup> per second into the Atlantic ocean.
3. The Amazon is also the fastest river. It flows at 11 km/h.
4. The shortest river in the world is the Roe River in Montana, USA. It is only 61 m long.
5. I don't know how they worked it out, but the Finke River in Australia is the oldest river in the world. It is 400 million years old.

### Mr. Trash Wheel is 10-years-old

Mr. Trash Wheel's real name is "The Inner Harbor<sup>3</sup> Water Wheel<sup>4</sup>". It is on the edge of the Jones Falls river in Baltimore, USA, and it is there to take trash out of the river. It was launched<sup>5</sup> in May 2014, so this is its 10th birthday! Mr. Trash Wheel has a conveyor belt and a rake<sup>6</sup> that are powered by the large waterwheels on its sides. The rakes pull trash up onto the conveyor belt, and it is carried to a floating barge<sup>7</sup>. The conveyor belt doesn't move very quickly, but it is strong and it can lift heavy things like mattresses and tires. In ten years, Mr. Trash Wheel has collected 2,500 tons of trash!! That is a lot of trash. You might be surprised that there is so much trash in the river, but that is the problem when we drop trash in town. When it rains, the trash washes into drains<sup>8</sup> and those drains lead to the river. Mr. Trash Wheel has a fan club as well, called the Order of the Wheel. It is [here](#) if you are interested. To join, you have to promise to reduce the amount of single-use<sup>9</sup> plastics you use. Mr. Trash Wheel has been so popular, that he now has four brothers and sisters. There is Professor Trash Wheel, Captain Trash Wheel, and Gwynnda the Good Wheel of the West. Should we have one in Sapporo? What could we call it?



- 1.said to be～だと言われている 2.volume 量 3.harbor 港 4.water wheel 水車 5.launch 通水 6.rake 熊手 7.barge 荷船 8.drain 下水管 9.single-use 使い捨て



### World record

I like to find world records that I think we could beat. We could definitely beat this one. How many people do you think can fit<sup>1</sup> in a car? Are you thinking about your parent's car? It probably has two seats in the front and three seats in the back, so, five people? Or, maybe they have a bigger car and there are two more seats in the very back, so, seven people? Well, it depends on<sup>2</sup> the type of car, but in 2015 in Russia, 41 people fitted into a car. That was quite a large car, though. What about a smaller car? Do you know a Mini Cooper? I will put a picture here. The record for the most people in a Mini Cooper is 29. However, they were school girls and most of them look quite small. You can watch the video [here](#). The record for the most adults in a Mini Cooper is 27. Then, the smallest car you can buy is a Smart Car. The record for the most people in a Smart Car is 20! What do you think? Should we try?



"We can't help everyone, but everyone can help someone." — Ronald Reagan

### An Unusual Job

#### Cartographer

This job is not so unusual, but it is probably a job you have never thought of. It is also probably a job that is changing greatly thanks to companies like Google. A cartographer<sup>3</sup> is someone who makes maps. The word comes from French. "Carte" means map and "graphie" means the science of something, as in "photography". People have made maps for thousands of years. Once we started to explore<sup>4</sup> other countries, maps became more important and once trains, planes, and cars were invented, maps became very important indeed<sup>5</sup>. Cartographers used to travel around and draw maps by hand. Modern cartographers sometimes draw by hand, but more often they use software. That is how Google is changing map making. Modern cartographers use software and photographs to make their maps. Maps are updated far more frequently<sup>6</sup> than they used to be as well. Before Google, it took a long time to update a map. These days, it is still a lot of work, but Google uses more people and their technology means that people don't have to draw the maps by hand. I thought that Google's technology would be putting cartographers out of work<sup>7</sup>, but it is the opposite<sup>8</sup>. There is more demand<sup>9</sup> for cartographers than ever before.



- 1.fit in 入れる 2.depend on ~による 3.cartographer 地図製作者
- 4.explore 探検する 5.indeed 本当に 6.more frequently さらに頻繁に
- 7.put ~ out of work ~の職業の仕事を失う 8.demand 要求