

# The history of the automobile

## Task 1. Listen and read, then translate the text.

### The world's first automobile, designed by Karl Benz

The Benz Patent-Motorwagen N 1, the first car in the world, was built by German engineer and inventor Karl Benz

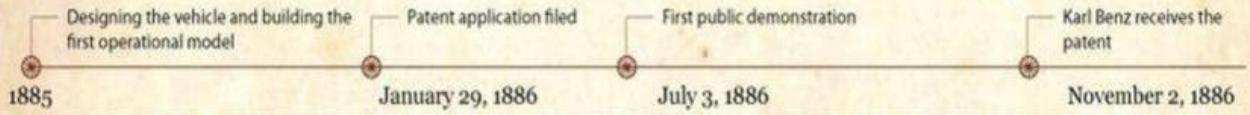
#### Specifications

 Weight: 265 kilograms	 Water-cooled engine
 Maximum speed:	 Number of cylinders: One
16 kilometers per hour	 Engine volume: 954 cm <sup>3</sup>
<b>ENGINE</b>	 Power: 0.9 horsepower at 400 revolutions per minute
 Engine type: Four-stroke, carburetor	



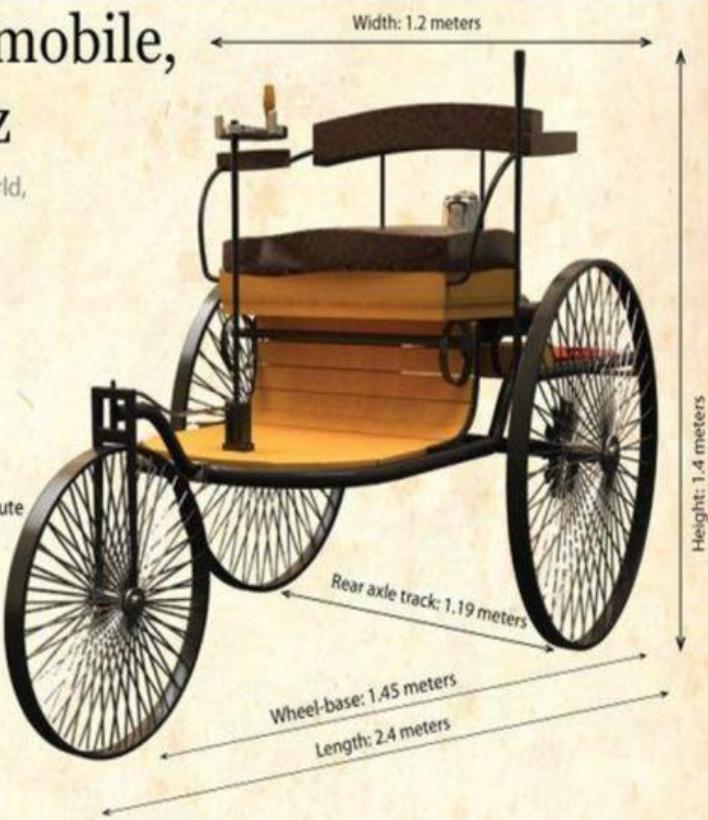
1906. Karl Benz donates his car to the German Museum in Munich, Germany.  
1936. Three copies of the Karl Benz car are built for the Mercedes-Benz Museum, the Museum of Technology in Vienna and the Transport Museum in Dresden

#### Design timeline



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The birth of the car as we know it today occurred over a period of years. Man's first journey on the road of mechanized transport began with the invention of the wheel in 4000 BC. In the early 1760s the first steam-driven tractor was built by a French Captain, Nicolas Jacob Cugnot. In 1807 François Isaac de Rivaz designed the first internal combustion engine (двигатель внутреннего сгорания). This was used by him to develop the world's first vehicle to run on such an engine, one that used a mixture of hydrogen and oxygen to generate energy.

In 1860, Jean Joseph Etienne Lenoir patented the first successful two-stroke (двуихтактный) gas-driven engine. In 1862 he built an experimental vehicle driven by a liquid-fuel version of his gas-engine, which ran at a speed of 3 km/hour.

The next major step forward occurred in 1885 after the four-stroke engine had been devised. In 1885, Karl Benz designed and built the world's first tricycle to be powered by an internal combustion engine.

In the meanwhile, unknown to him, Gottlieb Daimler was in the process of creating the world's first four-wheel horseless carriage. This car, which was more like the cars on our roads today, first saw the light of the day in 1886.

**Task 2. Arrange the following events in the order they took place in the history:**

1. the first internal combustion engine was designed,
2. the first steam-driven tractor was built,
3. the world's first four-wheel horseless carriage was created,
4. the first two-stroke gas-driven engine was patented,
5. the wheel was invented,
6. the four-stroke engine was devised.

**Task 3. Complete the sentences according to the text.**

1. The invention of the wheel took place in ... .
2. The first steam-driven tractor was built by ... .
3. The first internal combustion engine was designed by ... .
4. In 1860 ... was patented.
5. In 1862 an experimental vehicle was built, which ran ... of 3 km/hour.
6. In 1886 ... first saw the light of the day.