**Today you are going to have a lesson in the Grandfather's attic museum. You will complete different tasks. At the end of the lesson you will make your own bond certificate.**

**Task 1.** Read the text about the laundry in the past and answer the questions.

In many ancient cultures people cleaned their clothes by pounding them on rocks or rubbing them with abrasive sands and washing the dirt away in streams or rivers. The Romans invented a crude soap, similar to lye, that contained ash and fat from sacrificed animals. In colonial times, the most common way of washing clothes was to boil them in a large pot or cauldron, then lay them on a flat board, and beat them with a paddle called dolly.

The metal [washboard](https://www.thoughtco.com/make-your-own-jug-band-instruments-1832263) wasn't invented until about 1833. Before that, washboards were made entirely of wood, including the carved, ridged washing surface. As late as the Civil War, laundry was often a communal ritual, especially in places near rivers, springs, and other bodies of water, where the washing was done.

Answer the questions.

1) How did people clean their clothes in ancient times?

2) What did the Romans invent?

3) What is "dolly"?

4) When was the metal washboard invented?

**Task 2.** Look at the washing machines which are exposed in the museum. Find the Soviet washing machine «Волга-8Р». What type of wringing does it have?

a) manual;

b) automatic.

**Task 3.** The most successful hand-powered dishwasher was invented in 1887 by [Josephine Cochrane](https://en.wikipedia.org/wiki/Josephine_Cochrane). Choose the correct translation of her famous phrase.

a) If nobody else is going invent the dishwasher, then I'll do it myself.

b) If nobody else is going to invent the dishwasher, than I'll do it myself.

c) If nobody else is going to invent the dishwasher, then I'll do it myself.

**Task 4.** Study the table of the Morse alphabet. Using the Morse alphabet decrypt the following message. Work in groups.

.-- . .-.. -.-. --- -- . - --- - .... . -- ..- ... . ..- -- --..--

(W E L C O M E T O T H E M U S E U M !)

**Task 5.** Using the table of the Morse alphabet fill in the questionnaire (age, date of birth and form write down in numbers). Work in pairs, check your partner's answer.

Example:

NAME Ivan Ivanov

**.. ...- .- -. .. ...- .- -. --- ...-**

AGE 12

**.---- ..---**

Date of birth November 11 2007

**-. --- ...- . -- -... . .-. .---- .---- ..--- ----- ----- --...**

Form 7

**-...**

**Task 6.** International maritime signal flags are various flags used to communicate with ships. The principal system of flags and associated codes is the [International Code of Signals](https://en.wikipedia.org/wiki/International_Code_of_Signals). Various navies have flag systems with additional flags and codes, and other flags are used in special uses, or have historical significance.

Study the table of International maritime signal flags and match the flags with their meanings.

|  |  |
| --- | --- |
| **Flag** | **Meaning of the signal** |
| a) C:\Users\Андрей Михайлович\Pictures\1024px-ICS_Bravo.svg.png | 1) You should stop your vessel instantly |
| b) C:\Users\Андрей Михайлович\Pictures\1024px-ICS_Lima.svg.png | 2) I am altering my course to [the](https://en.wikipedia.org/wiki/Starboard) right |
| c) C:\Users\Андрей Михайлович\Pictures\Oscar_flag.svg.png | 3) I am taking in or discharging or carrying dangerous goods |
| d) C:\Users\Андрей Михайлович\Pictures\Echo_flag.svg.png | 4) I have a [diver](https://en.wikipedia.org/wiki/Scuba_diving) down; keep well clear at slow speed |
| e) C:\Users\Андрей Михайлович\Pictures\1280px-Alpha_flag.svg.png | 5) I am altering my course to [the](https://en.wikipedia.org/wiki/Port_(nautical)) left |
| f) C:\Users\Андрей Михайлович\Pictures\India_flag.svg.png | 6) [Man overboard](https://en.wikipedia.org/wiki/Man_overboard) |

a) – 3), b) – 1), c) – 6), d) – 2), e) – 4), f) – 5)

**Task 7.** Find the road sign in the museum. What does it mean?

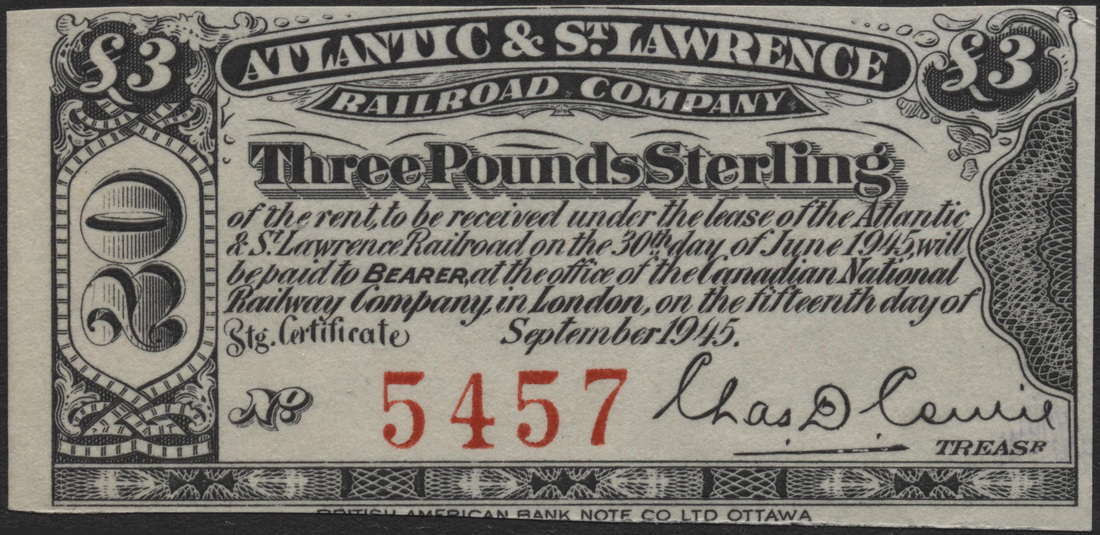
a) Road narrows on right.

b) Road narrows on both sides.

c) Road narrows on left.

d) End of dual carriageway.

**Task 8.** Study the bond certificate of the Atlantic and St. Lawrence railroad company and answer the questions.



1) What is the value of this bond certificate?

The value is three pounds sterling.

2) When was the rent received?

The rent was received on the 30th of June 1945.

3) Where should the bearer go to receive money? When?

Money will be paid at the office of the Canadian National Railway Company in London on the 15th of September 1945.

**Task 9.** Pretend that you are the owner of the railroad in the 19th century. Make the bond certificate of your railroad. Write down the name of the railroad, the value of the bond certificate, etc. Use the information in task 8 as an example.



Test

**Study the text about Josephine Cochrane. Fill in the gaps with the correct forms of the words given in brackets.**

Josephine Garis Cochrane was the inventor of the first commercially successful automatic [dishwasher](https://en.wikipedia.org/wiki/Dishwasher), which she constructed with the assistance of mechanic [George Butters](https://en.wikipedia.org/w/index.php?title=George_Butters&action=edit&redlink=1) who became one of her first employees. Cochrane showed her new machine at a Chicago Fair in 1893 where nine Garis-Cochrane washers were installed in the restaurants and pavilions of the fair and were met with interest from restaurants and hotels. She won the highest prize for "best mechanical construction, durability and adaptation to its line of work" at the Fair. Garis-Cochrane Manufacturing Company, which built both hand and power operated dishwashers, grew through a focus on hotels and other commercial customers and was renamed as Cochrane’s Crescent Washing Machine Company in 1897.

Cochrane was posthumously inducted into the [National Inventors Hall of Fame](https://en.wikipedia.org/wiki/National_Inventors_Hall_of_Fame) in 2006.

Case

Look at these road signs which you can see on the roads of Britain.





What does "yds" mean? What must the driver do when he sees these signs?

Convert 100 yards and 50 yards to metres (1 yd is 0,9144 m).

100 yds = 91 m

50 yds = 46 m