

Titanic



Assignment II - History: Morse code

1. Go to: <http://morsecode.scphillips.com/jtranslator.html>
And type in your own message; listen to it in Morse code.
2. Who were the Marconi operators on the ship?
3. Did they both survive?
4. Make up some messages that may have been sent from the Titanic.

Assignment III – Language Arts: Food

1. Describe the kind of food that was brought onto the Titanic.
2. Make up a menu for Breakfast, Lunch and Dinner.
3. How many dining areas were there?

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Assignment IV – Math: Lifeboats

1. How many lifeboats were there?
2. How many people could each life boat hold?
3. How many of the ships passengers could have gotten into a life boat? How many would be left?
4. How many lifeboats *should* there have been for all the passengers and crew?
5. Find facts on the number of passengers in one or two of the lifeboats. How many more could have fit in?

What is the fraction of seats that were full?

What fraction of seats were left empty?
6. How many days should the journey have taken?
7. How many nautical miles was it to New York?

How many nautical miles did they travel?

What % of the miles did the Titanic sail?

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Assignment V - Math

The Titanic set sail on its famous journey at 12:00 noon on April 10, 1912.
At 2:20am Monday April 15, 1912 the Titanic sank into the sea.

1. How long was the Titanic at sail from the time it first set sail until it finally sank?
2. There were 2227 passengers on board the Titanic at the time that it sank.

14 of the lifeboats held 65 passengers each.

$$14 \times 65 = ?$$

4 were collapsible, which held 47 people each.

$$4 \times 47 =$$

2 which held 40 people each.

$$2 \times 40 = ?$$

How many people would all of these lifeboats hold?

3. When the Titanic left Queenstown, Ireland, it had 2208 people on board. How many people would have been without a lifeboat if all the boats were filled to capacity?
4. Only 705 people survived the sinking of the Titanic. How many more people could have been saved?
5. How many more lifeboats were needed to save all people aboard the Titanic?

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Assignment VI – Science

Materials:

- About six to ten 6” X 6” squares heavy duty tinfoil
- Pennies (or marbles)
- Large container with water
- Paper and pencil to record results

Procedure:

1. Make several tinfoil boats of varying shapes (v-bottom, round bottom, flat bottom).
2. Drop pennies into each boat, and record the number each boat held before sinking.
3. Look at the results, and see if you can re-design the boats to make them more buoyant.
4. Answer the following questions: Which shape can hold the most weight? What other materials could you use? Can they hold more pennies than the tin foil? What makes the boats sink? Does it matter where you drop the pennies into the boat?