

## NUMBERS

*TOPIC/LANGUAGE AREA:* numbers, ordinal numbers, mathematical laws

*LEVEL:* pre -intermediate / intermediate

*Time:* 45 minutes

### **Objectives:**

- to learn or revise geographical terminology
- to develop reading comprehension, listening and speaking skills
- to learn about one of the laws of Archimedes (the law of the lever)

### **Language functions:**

- to talk about one of the laws of Archimedes
- to read about one of the greatest mathematician in the world

*CLIL:* Maths, Geography

### **MATERIALS:**

For this lesson, you will need:

- Computer with Internet access

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| STAGE                   | AIMS   | PROCEDURE  | MATERIALS/ RESOURCES   | TIME   |
|-------------------------|--|--|--|--------|
| Warm up                 | -to get students interested in the topic   | Students work in pairs. They have to ask and answer any questions that would have to do with a number, eg. How much pocket money do you get? How many cousins have you got? etc  |  | 5 min. |
| Main part of the lesson | -to revise ordinal numbers   | <p><b>Pair work</b><br/>Students work in pairs. They are put in pairs and given a board game with ordinal numbers. They have to make sentences with them.</p>  | worksheet 1 – a board game with ordinal numbers, a dice and counters   | 10 min |
|                         | -to make students ask for specific information and practice saying numbers correctly | <p><b>Pair work</b><br/>Students are put into pairs and given copies of worksheet 2. There is a copy for person A and B. They spend a few minutes looking at the information that is missing from their sentences. They have to come up with some questions to ask their partner in order to get the information. Next they take turns and ask and answer questions. (ex. How far is it from Wroclaw to Warsaw?) Reading A and B - asking questions.</p> | worksheet 2 – pair work exercise   | 10 min |
|                         | -to help students develop their reading comprehension skills                         | <p><b>Reading comprehension</b><br/>Students are given a set of questions (worksheet 3) and a website (<a href="http://www.ancientgreece.com/s/People/Archimedes/">http://www.ancientgreece.com/s/People/Archimedes/</a>) where they can read a text about Archimedes. They have to read the text and find answers to these question. After completing the task, students compare their findings.</p>  | worksheet 3 – comprehension questions<br><br>( <a href="http://www.ancientgreece.com/s/People/Archimedes/">http://www.ancientgreece.com/s/People/Archimedes/</a> ) | 15 min |
|                         | -to expand vocabulary by learning idioms   | <p><b>Extending vocabulary – quiz on numbers</b><br/>Teacher asks students to go to page:<br/><br/><a href="http://www.ecenglish.com/learnenglish/lessons/idioms-using-numbers">http://www.ecenglish.com/learnenglish/lessons/idioms-using-numbers</a><br/>There are 11 number idioms. Students have a look at them and then try the quiz.</p>   | <a href="http://www.ecenglish.com/learnenglish/lessons/idioms-using-numbers">http://www.ecenglish.com/learnenglish/lessons/idioms-using-numbers</a>                | 8 min  |
| Wrap – up/ closure      | -to develop students listening skills  | <p><b>Listening</b><br/>Students are given a handout with Katie Melou’s song “Nine Million Bicycles”. While listening they have to complete the gaps.</p>  | worksheet 4 – song lyrics<br><br><a href="https://www.youtube.com/watch?v=eHQG6-DojVw">https://www.youtube.com/watch?v=eHQG6-DojVw</a>                             | 5 min  |