#

# Digital teaching in natural scientific subjects

# 2017-1-CZ01-KA219-035416

Worksheet - Relative and absolute location

**Learn from your phone**

**1. Write your answer to the question.**

1.1 How many locations are there?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Location Relative**

2. Look the maps. Carefully observe the location of the **countries of the ERASMUS Project**

2.1 - What is the location of Portugal in Europe? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.2 - Which is the country of the ERASMUS group that is to the East and is bordered by the Black Sea \_\_\_\_\_\_\_\_\_\_\_\_

2.3 - The Country that is Northwest the Romaine and near Germany is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.4- The country that is northeast of Portugal is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

https://www.infoplease.com/atlas/europe-map

**3. Absolute Location**

3.1 - What are the geographic coordinates that you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.2 - Latitude is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.3 - On your phone open Google maps. Each group will discover the place with the following coordinates

|  |  |  |
| --- | --- | --- |
| Coordinates in decimal degrees | **Countries and the place** | Geographic coordinates (DMC) |
| Latitude | Longitude | Latitude | Longitude |
| 44.1166700 | 24.9833300 |  |  |  |
| 45.5953600 | 7.7945100 |  |  |  |
| 37.1377200 | -8.0196800 |  |  |  |
| 50.0039 | 17.4258 |  |  |  |
| 55.70584 | 13.19321 |  |  |  |

3.3 - Write in columns 4 and 5 the **Geographic coordinates.**

**3.4 -** What is the conclusion of this exercise?

Discover a place with the Digital Teaching application

Application of knowledge in the itinerary that we do outside the classroom, with the Digital Teaching application.

1º On phone open the Digital Teaching application

2º Each group will make the itinerary following the

latitude, longitude, coordinate and cardinal points of the compass and indicated in the worksheet:

A. 37.142224°, -8.016861°

B. 37.14193°, -8.017708°

C. 37.14005°, -8.18104°

D. 37.14064°, -8.020491° - Do you see the monument?

F. 37.14144°, -8.019848° - Stairs

G. 37.14197°, -8.019818°

H. 37. 14239°, -8.019547°

I. 37.142219°, -8.018575°

J. 37.14381°, -8.018012°

K. 37.1442°, -8.017758° - Meeting point ( write the latitude and Longitude )

Latitude: 37° 8´ 38´´N Longitude:8° 1´ 4´´ W

Statue of the popular poet of Loulé António Aleixo

**Back to School**

L. 37.14413°, -8.01742°

M- 37.14417°, -8.01687°

N. 37.14351°, -8.016225°

O. 3714286°, -8.016127°

P. 37.142224°, -8.016861°

A group member indicates the itinerary on the map.



https://www.google.com/map