

REVISION: MAPWORK

19 JUNE 2014



Lesson Description

In this lesson we revise:

- how to work with different map scales
- how to solve map problems



Summary

- Number Scale such as 1:20 000 means that 1 unit on the map represents 20 000 units in real life.
- These units can be mm, cm, m or km.
- Bar scales are presented as a picture bar. With thus use of a ruler, one can determine how many centimetres or millimetres represent a certain number of kilometres.



- Remember that when maps change size, the number scales is badly effected.





Improve your Skills

Working with Map Scales

Question 1

In which direction will you be facing if you rotate:

1.1 270° clockwise from North East?

1.2 315° anti-clockwise from East?

Question 2

Consider a map with a scale of 1 : 250 000.

2.1 What does this scale mean or indicate?

2.2 With the use of this scale, copy and complete the following table:

MAP	REAL LIFE
35 cm	??? km
??? cm	345 km
132 mm	??? km
??? mm	32 456 m
19,5 cm	??? m
??? mm	79,5 km

Question 4

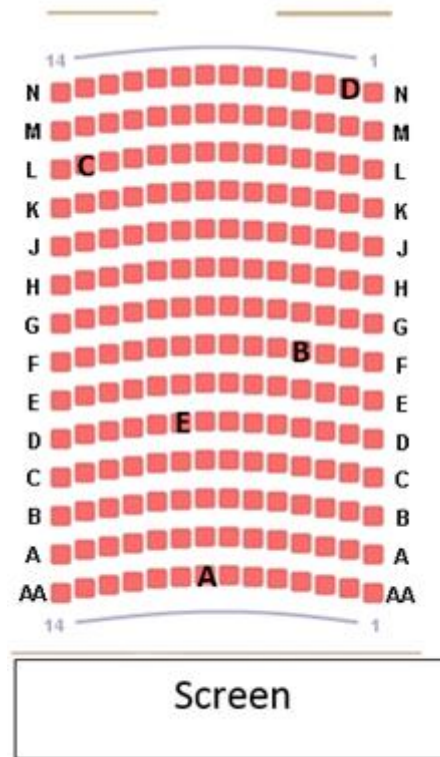


- 4.1 4.1.1 In the good old days, SAA use to fly from Durban to East London to Port Elizabeth and then onto Cape Town; instead of flying directly from Durban to Cape Town. How far would the plane fly between East London and Port Elizabeth?

Solving Map Problems

Question 1

Below is a copy of the seating plan of a cinema.



- How many seats are in this cinema? (1)
- Which row is furthest from the screen? (1)
- List the seat numbers of seats A – E show on the seating plan. (5)
- You want to go to a movie with three friends.
You get to the cinema late so seats are limited. You are give the following three options:

Option 1 – D1, C1, C2 and C3

Option 2 – M14, M13, F5, F6

Option 3 – AA11, AA13, AA15, A12

Which option would you choose? Give a reason for your answer,

Explaining why you would not choose the other two options. (3)

Question 3

Consider the map below which shows a portion of Europe:



- Which sea is to the west of Italy?
- What separates The United Kingdom and France?
The capital of each country is indicated with a star.
- What is the capital city of Poland?
- Of which country is Budapest the capital?
- Which country is north of Slovenia?
- In which direction does the Seine River, in France, flow?