Year 7 Map skills revision

Name:
Class:
Teacher:
Date of assessment:

Useful website to complement your revision

http://www.acegeography.com/year-7-revision-centre.html

OR


OR

1. Goggle ‘ace geography’.
2. Click on first link
3. Wait for webpage to load up
4. Click on revision centre
5. Click on Year 7 revision
6. Various materials and weblinks

Tasks to complete:

<table>
<thead>
<tr>
<th>Task</th>
<th>Due in:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map symbols worksheet – complete the worksheet</td>
<td></td>
</tr>
<tr>
<td>Measuring distances worksheet - complete the worksheet</td>
<td></td>
</tr>
<tr>
<td>Four and six figure grid references – complete the worksheet</td>
<td></td>
</tr>
</tbody>
</table>
# Map Symbols

Match up the symbol with the meaning using a one ruled line.

Draw the missing symbols.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>![P]</td>
<td>School</td>
</tr>
<tr>
<td>![=]</td>
<td>Place of worship</td>
</tr>
<tr>
<td>![Sch]</td>
<td>Parking</td>
</tr>
<tr>
<td>![†]</td>
<td>Railway Station</td>
</tr>
<tr>
<td>![〇]</td>
<td>Hospital</td>
</tr>
<tr>
<td>![Post office]</td>
<td>Post office</td>
</tr>
</tbody>
</table>
MEASURING DISTANCES

1. Measure and then compare to the scale, give your answer in miles.
   a. 
   b. 
   c.  
   (Level 4)

2. Measure the distance (using the scale from question 1) travelled from...
   a. Point A to point B
   b. Point B to point C
   c. Point C to point D
   d. What is the total distance of the loop?
   (Level 4/5)

3. Using the scale at the bottom of the map, measure the distances (in km) between the following...
   a. ○ to ○ along the railway track
   b. ○ to ○ along the road (A658)
   c. ○ to ○ along the county boundary
   (Level 5/6)

4. Give the 6 figure grid references for...
   a. Arthington House
   b. Telephone in Arthington
   c. Public House in Pool
   d. 
   e. 
   f.  
   (Level 5/6)

5. Using ‘South Pennines’ O.S map measure the distance between...
   (Remember to compare to scale at bottom of the O.S map)
   a. The railway station at Oxenhope, along the track to the station at Oakworth
b. Manywell Heights (063, 355) along Halifax Road (A629) to the Public House at 046, 377

c. Goitstock Wood at 080, 372 to Parkside School along the footpath and roads
Four and Six-Figure Grid References

Legend:
- Wood
- Lake
- Secondary Road
- Bridge
- Camp Site
- Car park
- Picnic Site
1. Give a 4-figure grid reference to locate the lake
______________.

2. Give a 4-figure grid reference to locate part of the wood
______________.

3. Give a 4-figure grid reference for a bridge
______________.

4. Give a 4-figure grid reference containing part of the golf course
______________.

5. Answer: windmill, car park, place of worship with spire, picnic site, camp site or public house to the following questions:

<table>
<thead>
<tr>
<th>(a) The is in square 0839.</th>
<th>(b) The is in square 0841.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(c) The is in square 0742.</td>
<td>(d) The is in square 0941.</td>
</tr>
</tbody>
</table>

6. Give the 6-figure grid references for the following:

<table>
<thead>
<tr>
<th>(a) Camp site:</th>
<th>(b) Picnic site:</th>
<th>(c) Post office:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(d) Parking:</td>
<td>(e) Windmill:</td>
<td>(f) Public house:</td>
</tr>
<tr>
<td>(g) Place of worship with spire:</td>
<td>(h) Public telephone:</td>
<td></td>
</tr>
</tbody>
</table>
General revision material to help you

Compass directions

Map symbols

PH - pub
4 figure grid references

1. Read along the bottom first till you get to the correct column – the number is always to the left/lower one of the two.

4 figure grid references

1. Move up the side till you find the correct row. The number is the lower one of the row/the bottom of the two.
How to work out 6 figure grid references...

- Let us first look at how the 6 figure grid reference is made up.
- Let us take 216 322 as an example.
- The first 3 figures refer to the easting of the point (or the distance along the map).
- While the second 3 figures refer to the northing of the point (or the distance up the map).

Looking at our number 216 322

Start by working out the basic Easting and Northing as you would for a 4 figure grid reference using only the first 2 easting values and the first 2 northing values.
Then imagine that grid square divided into tenths.

216 is the Easting.
21 is the grid line and 6 is the number of tenths along towards the next grid line.

322 is the Northing.
32 is the grid line and 2 is the number of tenths along towards the next grid line.
Let us find the 6 figure grid reference for the church on the map below.

The church is in grid square 22 31.
If we imagine that square divided into 10 parts, the church is 2 tenths further east and 2 tenths further north.
So the 6 figure grid reference will be 222 312

How is height shown on a map?

• There are three main ways:
  – Contour lines – join up areas of land that are similar in height
  – Layer colouring – areas are coloured to show their height. Layers are usually 50m in thickness
  – Spot heights – the highest point above sea-level in an area. It is shown using a black dot and the height is given in metres. It may also be shown by a blue triangle with the accompanying height in metres
How do I measure distances on a map?

• Look for a scale bar – use your ruler to work out how many centimetres (cm) for 1 kilometre (km)
• For example: 2cm = 1 km
• There are two main ways:
  – Using a ruler for straight line distances
  – Using a piece of string or paper to measure curved distances

Relief – the height and shape of the land

Factors that may affect the building of a new football stadium/housing estate:

• Being close to a river – this could flood and damage the pitch
• Steep slopes – this could be difficult to build upon
• Near to houses – the noise could put people off
• Near to main roads and railway station – this is useful so that people can get to and from the place quickly
• Not near main roads – it will be hard for people to get there and a new road may have to be built which could destroy the countryside
• Animal and plant habitats could be destroyed with the new building