

Grade 10 Map terminology and map symbols

What you need to know at the end of this week:

- Concepts such as scale, direction, distance indicators, legends, map grid References, equator, hemispheres, north pole, south pole, latitude, longitude, time zones, Universal Time Coordinate (UTC), International Date Line (IDL)

Resources: Different types of colour maps, as needed for all sections on map work and tour planning

BASELINE ASSESSMENT: MAPWORK

A. Write down the meaning of the following words in your book as revision from SS grade 8 and 9:

1. Scale
2. Direction
3. Distance indicators
4. Map legends
5. Map grid references
6. Equator
7. Hemisphere
8. North and South pole
9. Longitude
10. Latitude

Map work notes

Study the section in your textbook and these extra notes.

Extra notes on Direction:

Remember **from** and **to**:

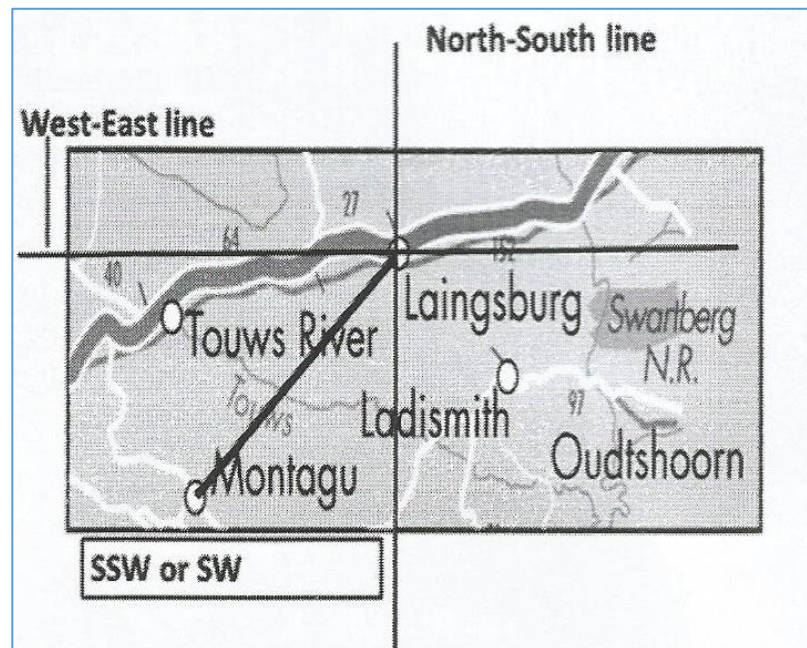
From is the starting point and **to** is the ending point

Step 1: Draw a vertical line through the point where the direction is being taken: North-South line.

Step 2: Then draw a horizontal line through the same point: West-East line.

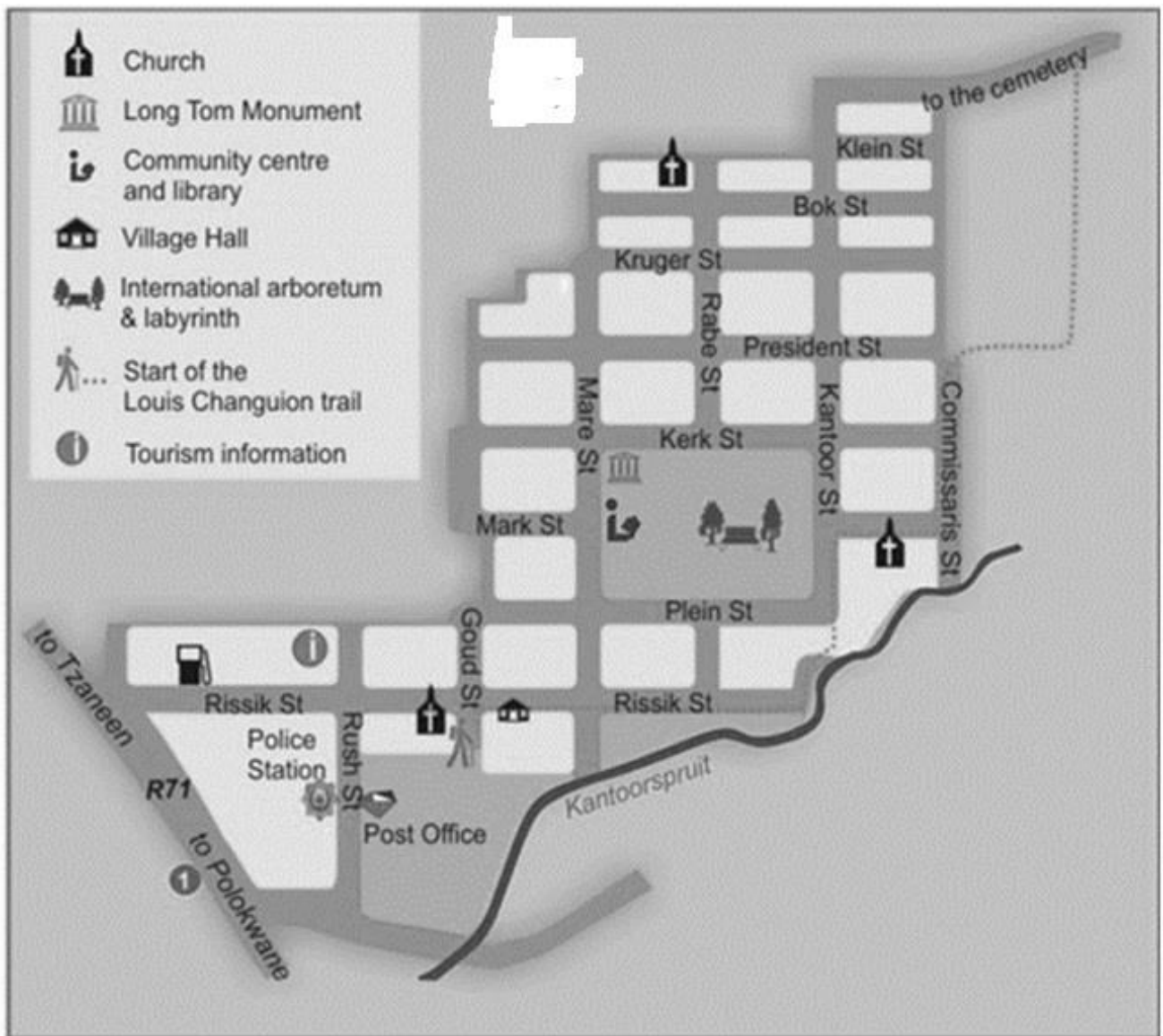
Step 3: Draw a line joining the two places – the place where the direction is being measured to the place to which direction is being measured.

Step 4: Identify the direction



B. Use the map below and answer the following questions.

1. Draw a compass and complete the 16 directions.
2. Indicate what general direction is the: (**show the directions on the map**)
 - 2.1 Church in Bokstreet from the Tourism information office?
 - 2.2 Village Hall from the Tourism information office?
3. Tell a tourist the way from the Post Office to the Long Tom Monument.
4. Name two neighboring towns to this map.
5. What is the name of the river running through the town? (A spruit is a river)



C. Map work Terminology

Paste the World Time Zone Map in your book and use it to do the following:

1. Show the following on your Time Zone Map using the numbers :
 - 1.1 Equator
 - 1.2 UTC
 - 1.3 IDL
 - 1.4 South Africa
 - 1.5 North pole
 - 1.6 South pole
 - 1.7 Northern hemisphere
 - 1.8 Eastern Hemisphere
2. Now answer the following questions by using the Time Zone Map.
 - 2.1 What time zone does South Africa use?
 - 2.2 How many degrees is this line from the UTC? Explain your answer.
 - 2.3 What would the time difference be between South Africa and the UTC?
 - 2.4 How many time zones are between South Africa and England?
 - 2.5 If it is 8:00 in England, how late would it be in South Africa?
 - 2.6 How many time zones (longitude) are on earth?
3. What is the use of the IDL?
4. What would be the reason for this line never crossing a country?

