

Map Skills

RECAP Direction

Study the map of Northern Ireland and answer the following questions:

1. What is the name of the county SOUTH EAST from Tyrone?



2. What direction is Coleraine from Ballymena? _____

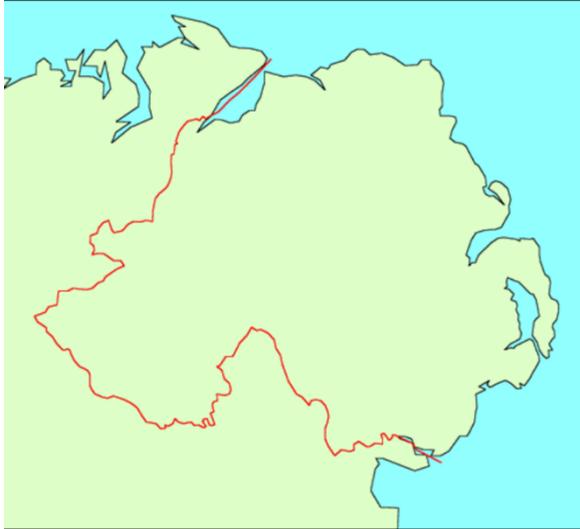
3. Which city is North East from Belfast? _____

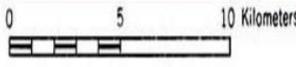
4. Which city is South West from Downpatrick? _____

Scale

A map is not life size. It has taken an area of real life and shrunk it down to fit on a page. Some maps have had to shrink real life more than others.

For example: This is a map of Northern Ireland, but beside it is a map of the British Isles which has Northern Ireland included. Northern Ireland has had to be shrunk more to fit on the second map.



Stated Scale	• 1 cm = 250 km
Linear Scale	
Ratio Scale	• 1:25 000 000

We use SCALE to reduce real life to fit on a map. There are different ways to show map scale which are:

In all ways of writing scale the simple message is:

Measure the distance between two places on a map in centimetres and use the scale to calculate what the distance is in real life.

The linear scale shows that one centimetre is 5 kilometres in real life, so if I measure 2 centimetres, this would be 10 kilometres in real life.

Watch these videos to help you understand:

<https://www.youtube.com/watch?v=hyEb12jpQbw> (from 1minute 32 only – basic instructions)

<https://www.youtube.com/watch?v=bBVNyRU0iAA>

Activity: 1. Use the map and the scale line below to give the straight line distance between:

Kate's house and the school _____metres

Joanne's house and the Post Office _____metres

Tim's house and the Post Office _____metres

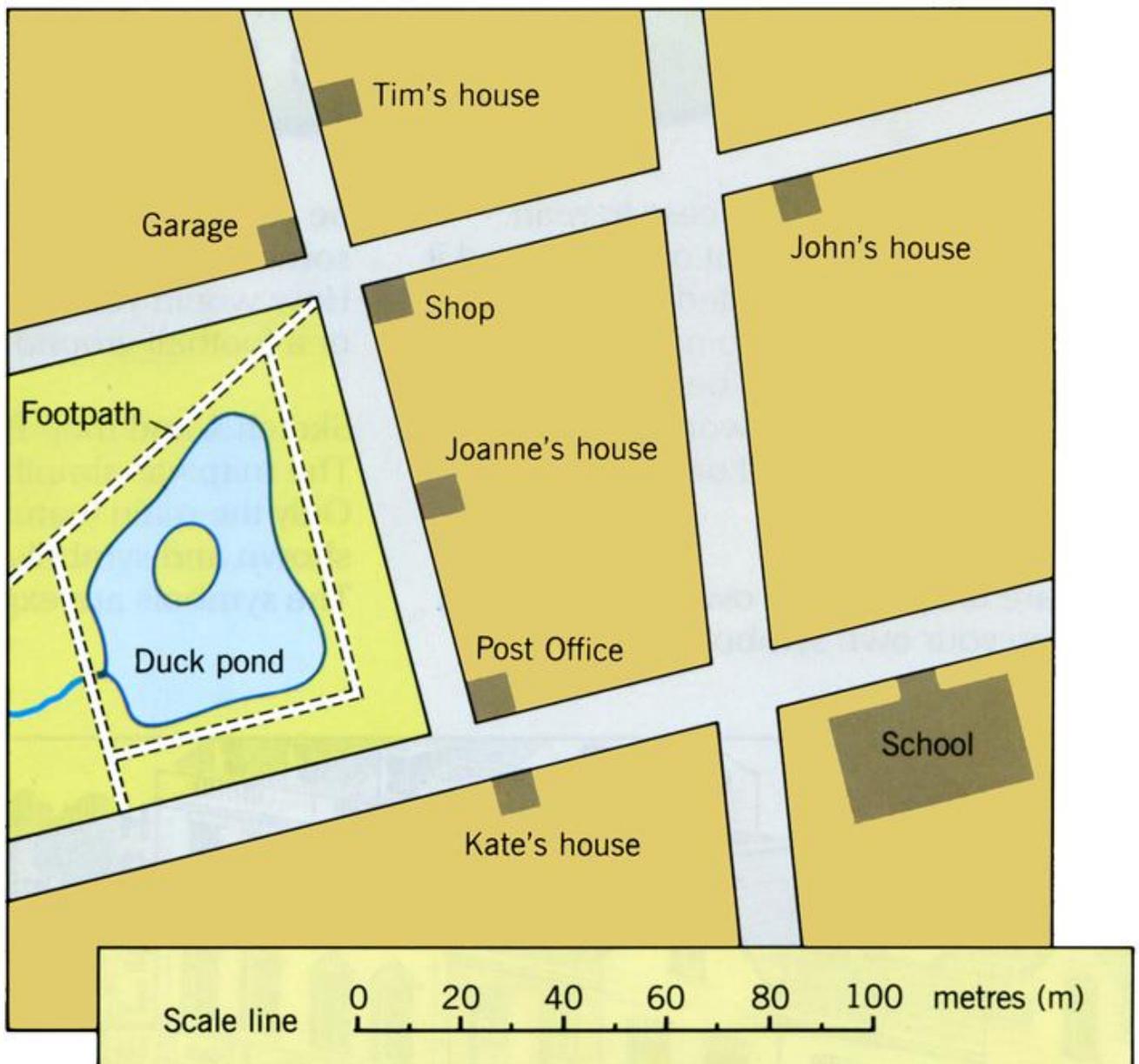
John's house and the garage. _____metres

Give the distance Joanne has to travel to school if she calls on Kate on the way.
_____metres

Give the distance John has to travel to school if he calls at the shop and post office first.
_____metres

What is the distance around the duck pond if you walk on the footpath?
_____metres

Activity 2:



- 1 Go East 3 km ✓
- 2 Go North 5 km
- 3 Go East 2 km
- 4 Go South 2 km
- 5 Go East 3 km

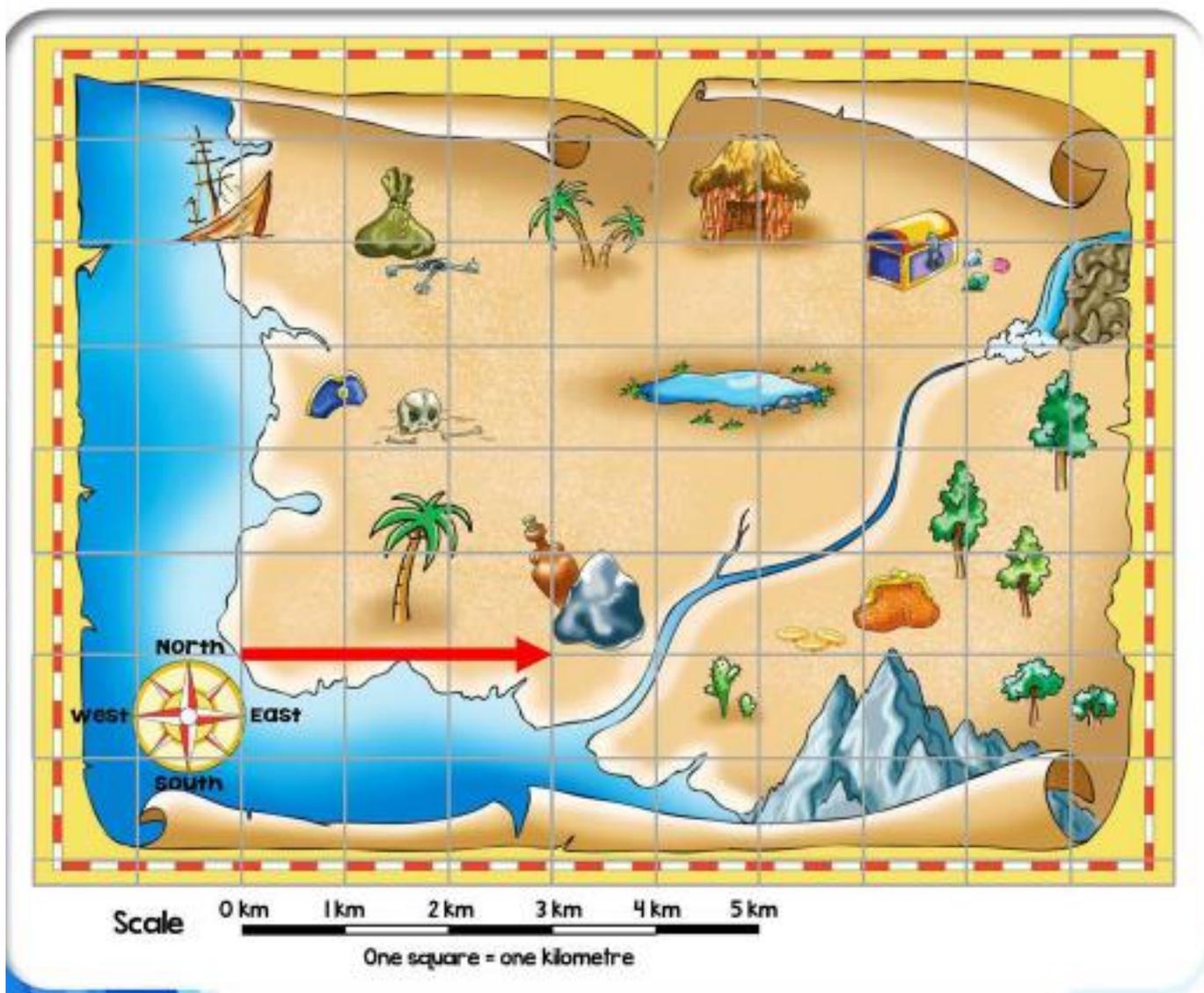
- 10 Go south 4 km
- 11 Go West 3 km
- 12 Go North 3 km
- 13 Go west 4 km
- 14 Go South 1 km

- 6 Go East 1 km
- 7 Go North 3 km
- 8 Go West 2 km
- 9 Mark a cross

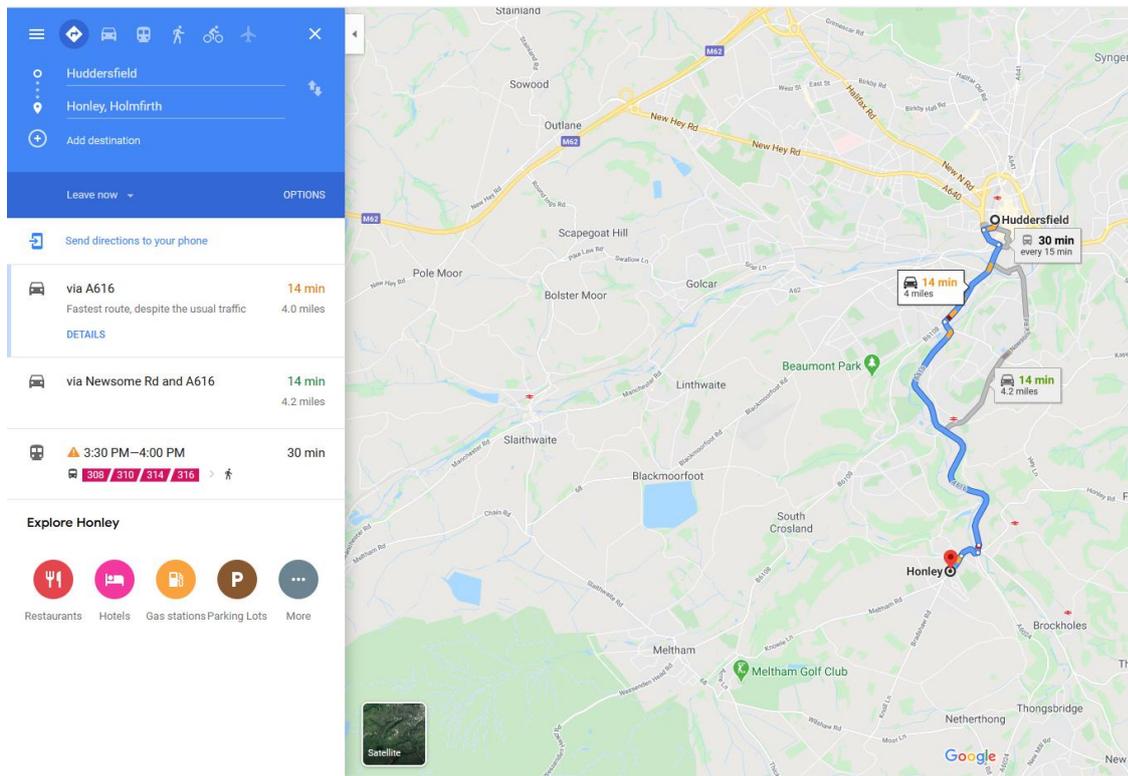
The Treasure is in the _____

Following routes

Here is a map of a treasure island where some treasure is buried. Follow the instructions below to find the treasure. Mark the route on your map as you go. The first one has been done for you.



Activity 4: This is a map of the Huddersfield area to a scale of 1cm : 1 mile (approximately)



1. How far is it from the centre of Huddersfield to the centre of Honley
_____ miles
2. How far from Armitage Bridge to Highburton?
3. How far from Blackmoorfoot to Thunder Bridge?
4. How far from Farnley Tyas to Thunder Bridge?
5. How far from Golcar to Kirkheaton?

Open Google Maps and type in Huddersfield. Then use the directions arrow to calculate the distance from each of the places on the map.

e.g. This screenshot shows the distance between Huddersfield and Honley is about 4.1 miles.

According to Google maps....

2. How far from Armitage Bridge to Highburton? _____ miles
3. How far from Blackmoorfoot to Thunder Bridge? _____ miles
4. How far from Farnley Tyas to Thunder Bridge? _____ miles
5. How far from Golcar to Kirkheaton? _____ miles

Are the answers from your map the same as from Google Maps? Yes / No

If not, why not?

Which is more accurate? _____