

Year 4 Knowledge Organiser- Can you find the treasure?

What will I learn?

In this topic we will learn to:

- **Orient** a map and follow a **route**
- describe positions on a 2-D grid as **coordinates** in the first quadrant
- plot and interpret **coordinates** on a treasure map
- use 8 **compass** points on a grid, to locate places and describe journeys
- explore use of line, pattern and shape to represent different features on a range of maps

Previous learning

What's it like to live in a cold country? Y1

What's it like to live on an island? Y2

Would you rather live in the city or the countryside? Y3

You should already know:

Use world maps, atlases and globes to identify countries, continents and oceans. Use simple compass directions.

Use world maps, atlases and globes to identify the United Kingdom and its countries. Use aerial photos and plan perspectives to recognise landmarks

Devise a simple map
Use 4 points of a compass using symbols and keys.

Vocabulary Dozen

compass	a device with a magnetic needle showing the direction on the earth's surface
coordinate	group of numbers used to indicate the position of a point, line or place
symbol	an object or picture that shows something else
key	a list of symbols used in a map or a book with explanations of what they mean
navigate	plan and follow a route by using instruments or maps
island	a piece of land completely surrounded by water
quadrant	one part of something that is evenly divided into four parts
route	a particular way or direction between places
cutlass	a curved sword with a single sharp edge, used in the past by pirates
Skull and cross bones	It warns of death or danger. Used in the past on pirate flags
plot	marking points on a map and joining the points up
pilfer	to steal

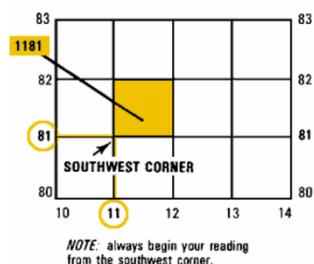


Key Knowledge

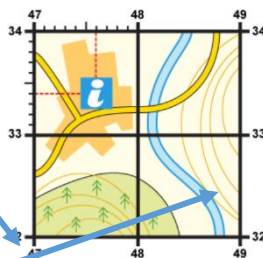
Can you navigate to find the treasure?

A **coordinate** grid has an x axis (along the bottom) and a y axis (going up). It is important to remember that when reading or **plotting** a **coordinate** you read the x axis *first* and the y axis *second*.

Ordnance survey map **coordinates** often have 4-digit reference numbers.



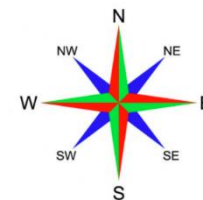
The **i** is at grid reference **4733**



The maps also have **contour lines** which show whether the land is steep or shallow. If the **contour lines** are close to together the land is steep and if they are further apart the land is less steep.

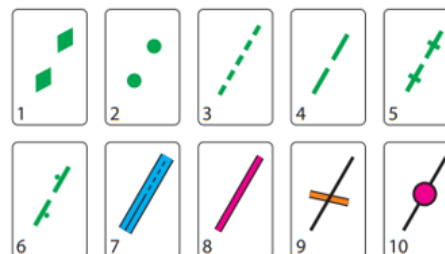
Can you use compass points to describe a route?

There are 8 main points on a **compass**. The first 4 are North, East, South and West. In between these points are North East, South East, South West and North West.



Can you recognise and use Ordnance Survey symbols?

Ordnance survey maps use **symbols** to represent different items on the map such as buildings, roads or rivers. Different colours, lines and objects indicate different things.



- 1 Recreational path
- 2 Other route with public access
- 3 Footpath
- 4 Bridleway
- 5 Byway open to all traffic
- 6 Restricted byway
- 7 Motorway
- 8 A road
- 9 Level crossing
- 10 Railway station

Useful Weblinks

1. What are coordinates? <https://www.bbc.co.uk/bitesize/topics/zgthvcw/articles/z96k9qt>
2. How can I use grid references on a map?
<https://www.bbc.co.uk/bitesize/topics/zbtp34j/articles/z6hxrj6>

