

Knowledge Organiser

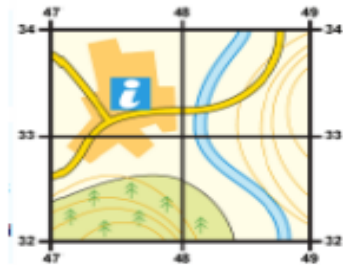
Geography

Mapping Skills

Year 4

Previous knowledge (What should I know?)

- Identify the following physical features: mountain; lake; island; valley; river; cliff; forest and beach.
- Know how to plan a journey within the UK, using a road map.
- Know which is North, East, South and West on a compass
- Know and use the terminologies: left and right; below and next to.



Key Vocabulary

OS map	Ordnance Survey is the national mapping agency for Great Britain. First used in 1745.
Grid Reference	A grid reference system is a simplified grid used for a map area to make looking up coordinates easier.
Contour Line	A line on a map joining points of equal height above or below sea level.
Compass points	The 8 directions commonly used on a compass to help with navigation.
Scale	Map scale refers to the relationship between distance on a map and the corresponding distance on the ground.

Compass directions

Never Eat Shredded Wheat

North

North-West North-East

West East

South-West South-East

South

<p>The 4 main points of a compass are;</p> <ul style="list-style-type: none"> ✓ North ✓ South ✓ East ✓ West. 	<p>To get the 8 point compass; always use the North or South point first.</p> <p>E.g. North West – South West</p>
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Scale can be shown on a map in different ways

Scale Line		A scale line on a map shows that 1cm on a map is the same as 1km on the ground. Sometimes it can be shown in miles also.
Ratio	1:25,000	Ratio can be shown in different ways on a map, you need to check this when measuring distance. If a scale is 2cm to 1 km, you will need to calculate the distance.

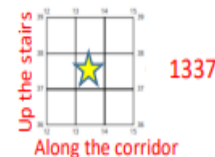
	<p>For STRAIGHT LINE distances or "as the crow flies". use a ruler/piece of paper to from one point to the other and then measure this on the scale line.</p>	
	<p>For CURVED LINE distances. Use a ruler/piece of paper to measure to the point of a curve or bend. Then measure the next distance. Calculate the total and measure on the scale line.</p>	

Grid references

Maps are divided into grid squares. These help to locate places/objects on a map easier. Each grid square is given a number. In order to find a grid reference you must go "Along the corridor and then Up the Stairs."

To find a 4 figure grid reference you must;

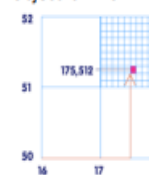
- ✓ Go along the corridor and find the grid square.
- ✓ Choose the bottom left number on that square.
- ✓ You then go up the stairs, find the grid square and choose the bottom left number on that square.
- ✓ The 4 figure grid reference for the star is 1337



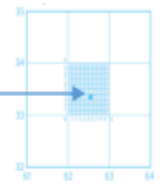
6 Figure grid references give you an exact location of a place.


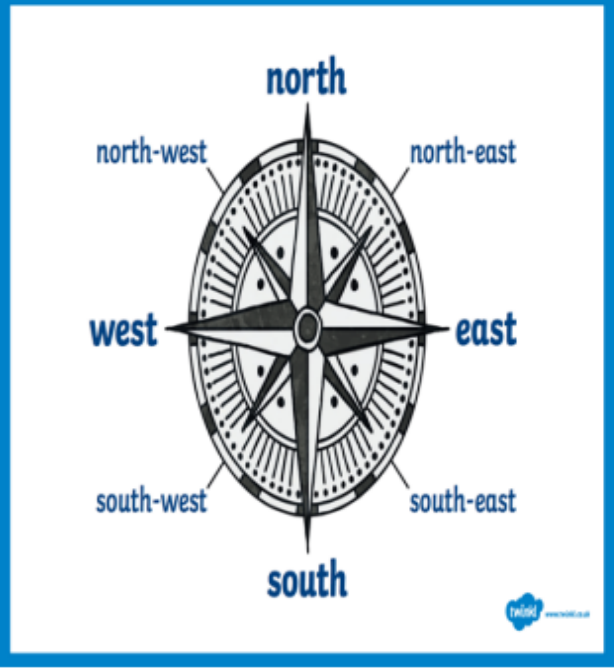






To find a 6 figure grid reference you must;

- ✓ Go along the corridor and find the grid square.
- ✓ Choose the bottom left number on that square.
- ✓ Imagine the square is divided into tenths and decide how many 10th's across the object it. This will be 3rd number.
- ✓ You then go up the stairs, find the grid square and choose the bottom left number on that square.
- ✓ Imagine the square is divided into tenths and decide how many 10th's across the object it. This will be 6th number.



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Vocabulary		Ordnance Survey symbols		Points of a compass	
map	A diagram of an area or land, as seen from above.		Camp Site – a safe place where people set up tents		
grid reference	A location on a map, identified by letters and numbers.				
4 figure grid reference	A location on a map with 4 numbers.		Viewpoint – a place to look out over the land from a high place.		
6 figure grid reference	A location on a map with 6 numbers.				
bird's eye view	The view of an area from above.		Picnic Site – a place with picnic tables and bins		
key	Information given on a map to help explain the symbols.				
urban	Relating to towns and cities.		Museum – a place to find out about the world	Examples of Human features	Examples of Physical features
rural	Relating to the countryside, far away from towns and cities.				
Human features	Features designed and built by people		Nature Reserve – a place where you can see many animals, birds and plants.	Schools	Hills
Physical features	Features which are natural (made by nature)		Sports Centre – A place to play a range of sports	Shops	Rivers
			Motorway – a road with many lanes and fast-moving traffic	Cinema	Vegetation
				Roads	Fields
				Houses	Coast