

Friday 15<sup>th</sup> May 2020

LO: Contour lines

Success Criteria:

To be able to use contour lines to work out how high places are.

Key Vocabulary:

**Relief:** The height and shape of the land.

**Elevation:** The height above given level.

**Contour lines:** Contours are lines on a map that joins places of the same height above sea level.

How would you describe the relief of the following places?



Hilly    Flat  
Low    high  
mountainous

### Contour Lines

**Spot Heights**

The exact height above the ground is measured and written onto a map.

**Layer Colouring**

Areas of different heights are shown using different colours. Brown shows the highest point.

Height in metres (m) above sea level

More than 300	100-200
200-300	Less than 100

**Contours**

Brown lines drawn on a map which join up points that are the same height.

## FACTS ABOUT CONTOURS:

- ▶ Contour lines never cross one another.
- ▶ Contour lines can join to form a single contour line only where there is a vertical cliff
- ▶ Contour lines never split.
- ▶ When contour lines are far apart the slope is gentle.
- ▶ When contour lines are close together the slope is steep.
- ▶ When contours are evenly spaced the slope is uniform.
- ▶ The difference in altitude between successive contours is known as the contour interval or the vertical interval.

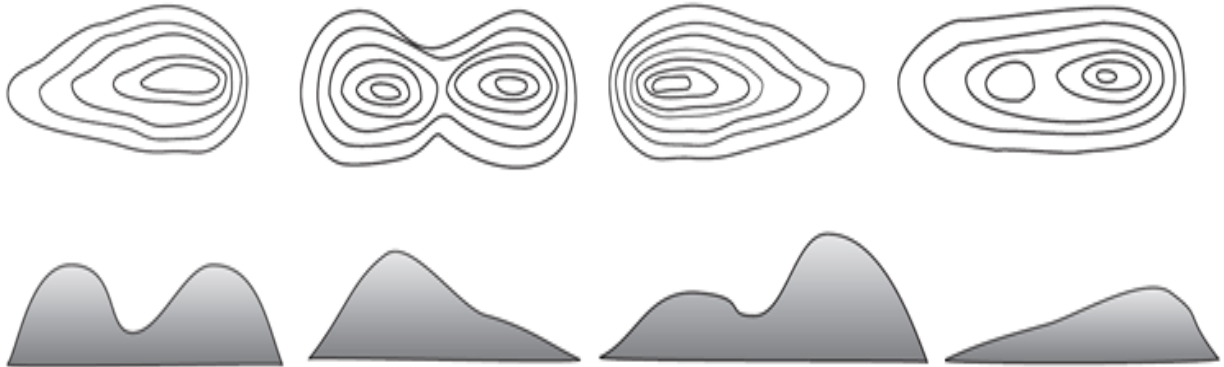
## STEEP AND GENTLE SLOPES:

Contours on maps show many different landscape features. These are illustrated by the way contours are arranged and spaced:

- ▶ Contours that are close together indicate a steep slope and contours that are far apart indicate a gentle slope.
- ▶ When contours are close at the top of the hill and gentle at the bottom, this indicates a concave slope.
- ▶ When the contours are gentle at the top of the hill and close together at the bottom, this indicates a convex slope.

Activity 1:

1. Match up the 3D image with the contour line image.



Activity 2:

Match the correct diagram to the correct description.



Has two peaks of equal height.



Has a steeper slope on the East side.



Has a higher peak on the West side.



Has one peak.