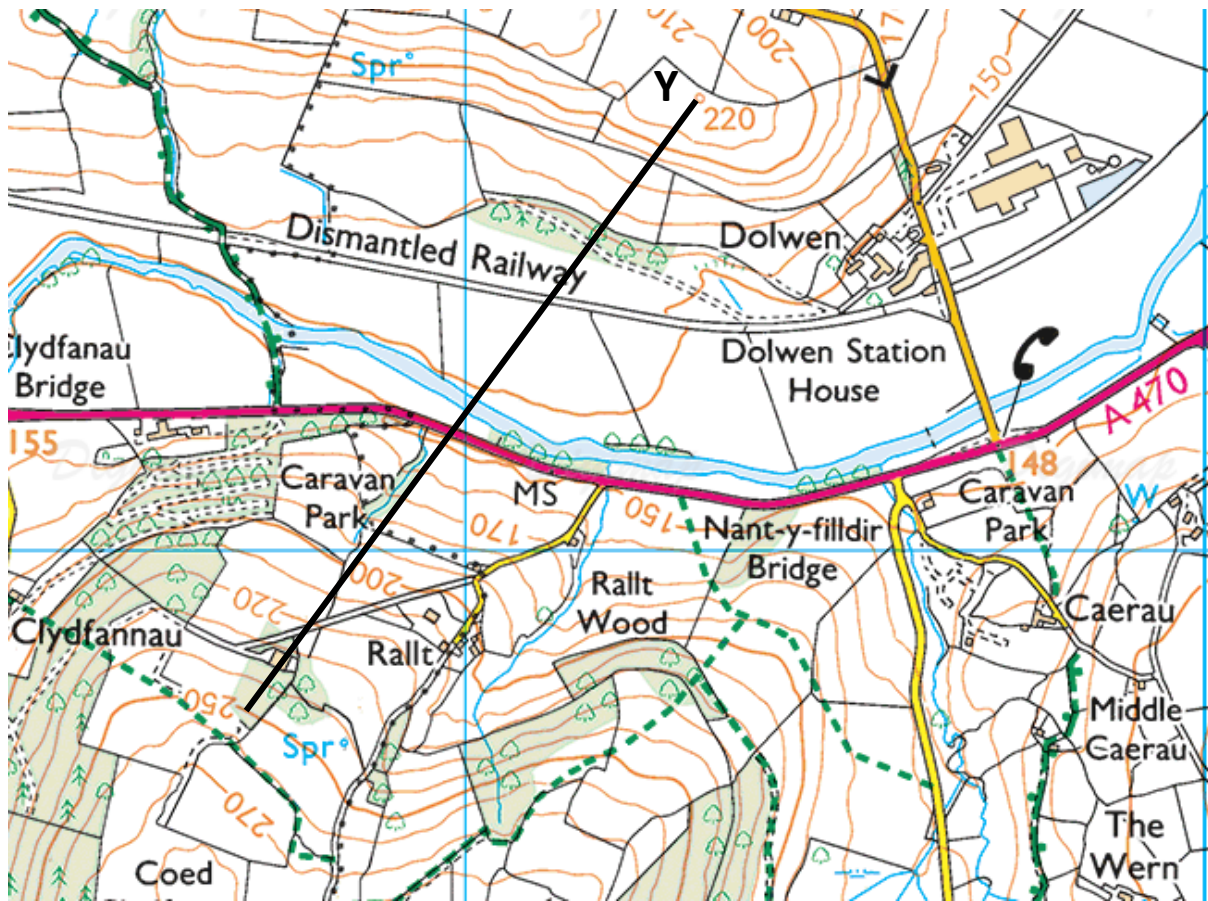


## TASK: Drawing a River Valley Cross-Profile



1. Draw a cross section to show the valley cross-profile X-Y
2. Mark the position of the River on your valley cross profile.

# How to Draw a Cross-Section Profile of a River Valley

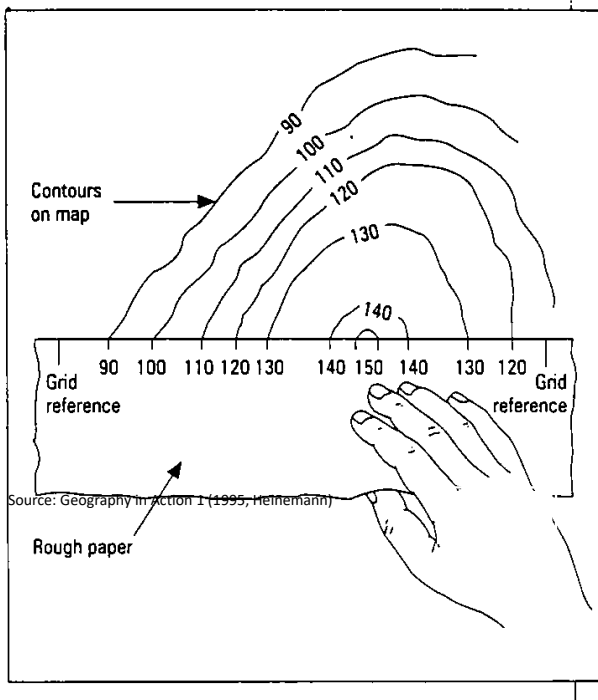
## Drawing Cross Sections

A cross-section shows the variations in relief along a chosen grid line.

**EXAM TIP:** In an exam situation....

- You may be asked to **COMPLETE** a cross-section OR
- You may be asked to **INTERPET** / **ANNOTATE** features on a cross-section

### ▼ A How to take contour readings from the map



1. When all contour lines touching the paper have been marked on remove the paper and lay it out along the base of the given cross-section outline.
2. Mark the points on the graph at the correct heights with a cross (as shown in diagram B)
3. When all points have been plotted, join up the crosses with a **smooth line**. Do NOT use a ruler to join up your points, because you are drawing the shape of the landscape which will never be straight!

4. Place the straight edge of a piece of paper. Lay it along the grid line for which you are drawing the cross section (sometimes in an exam this is indicated with a line – X – Y). Mark the starting and ending point on your paper.
5. Ensure that you have a **sharp pencil** and mark the position of each contour line which touches the paper with a small line.  
**REMEMBER** – you must note down the height of the contour! (as in diagram A) (if the line passes through a spot height or triangulation pillar – this should also be marked down)

### ▼ B How to mark the contours on to your cross-section

