

# Tutor Map Colouring Instructions

## Setting up Students

Student groups will turn up, give **two different sets of**

- A map picture (Australia, NSW/ACT, QLD, Canberra)
- The associate graph version
- Pencil/s to colour in (or write) the different colour assignments

The team should split in half to do the task

(or can complete both maps at a whole group, but it will be slower)

## BONUS

If students return to do more, you can give them harder maps (South America or Canada) where they have to draw the neighbouring graph lines themselves.

## Doing the colouring - helpful tips

- If students need help, advise them to start at a corner and work their way in
- If there is a triangle anywhere in the diagram it needs at least 3 colours to complete the map!
- There are tutor answers with an example colouring if you need a guide.

## Checking the answers

When the team (or sub-team) is done, check the answers below to identify if the map colouring is correct.

Map	Min number of colours
Australia	3
Canberra	4
Queensland	3
New South Wales/ACT	3
South America	4
Canada	3