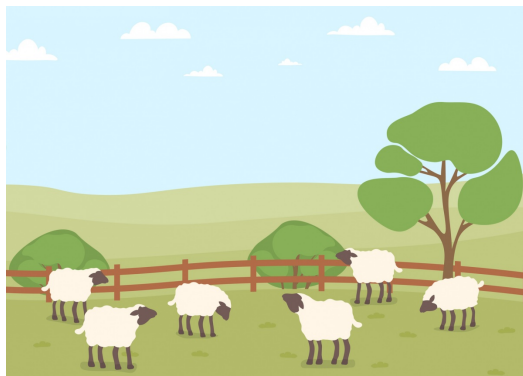# Working out stock rates

This task is about solving maths problems involving rates.

Tana has a paddock on each side of his house.
The table shows the area of each paddock, and how many sheep are in each.

	Paddock Name			
	East	**West**	**South**	**North**
Area (in hectares)	3.7	18.4	6.4	5.7
Number of sheep	23	128	50	36

The **stock rate** is the number of sheep per hectare.

a) What is the stock rate of

    i) the North paddock? _____ sheep per hectare (to 1 d.p.)

    ii) the South Paddock? _____ sheep per hectare (to 1 d.p.)

b) What is the overall stock rate over all four paddocks?

    Overall stock rate = _____ sheep per hectare (to 1 d.p.)

c) The maximum recommended stock rate for winter is 7 sheep per hectare.
   How many sheep need to be shifted from the South paddock for winter?

    There will need to be _____ sheep shifted.