

Divide and Prosper

You need: paper, a ruler, a measuring wheel or long tape, a classmate

ACTIVITY ONE

We're moving! I'm going to get a horse. Dad's found a 5 hectare block of land just outside town.

How big is that?



It's big. Where we are now is only 800 square metres.

It'll be great to have a big section.
I hope the horse doesn't kick me!

1. In square metres, how big is 5 hectares?
2.
 - a. Draw a rectangle with a scale area of 5 hectares.
Use a scale of 1 centimetre to 20 metres.
 - b. Inside your first rectangle, draw another with a scale area of 800 square metres.
 - c. How many times larger than the 800 square metre section is the 5 hectare block?
3. Find out the area of the land your house is on. Check with some of your classmates to see what sized sections they live on.
4. Look in your local newspaper for advertisements for sections, lifestyle blocks, and farms.
 - a. Draw scale diagrams showing the land areas of a section, a lifestyle block, and a farm. Compare their sizes.
 - b. Discuss what you find with a classmate.

How many hectares make a rugby field?

Don,t you mean, how many rugby fields make a hectare?

I don't know – let's measure ours and find out.

5. Measure your school rugby field. What is its size in hectares?

ACTIVITY TWO

The Browns want to subdivide part of their farm into smaller blocks. Their farm is shaped like this:



1. How big is the Browns' farm in hectares?
2. The Browns want to keep 50 hectares where the house is and another 100 hectares along the back boundary of the farm. Draw a diagram, including all measurements, to show how they could subdivide the remainder into 20 blocks of 5 hectares. Use a scale of 1 centimetre to 100 metres.
3. Check the newspaper for the price of rural land in your part of the country. How much might the Browns sell their blocks for?

INVESTIGATION

Investigate the cost of subdividing land.

