## **Working with Wool**

You need 🗼 🖈 a calculator

a classmate

**TECHNOLOGY** 

New Zealanders have a long history of developing new shearing techniques and wool handling equipment. In the early days, pressing wool into bales was a lot of work. Today, wool pressing can be done with the pull of a lever or the touch of a button!

## **Activity One**

Addison's mum, Emily, set a women's world record for shearing lambs (648 lambs in 9 hours).

- Approximately how long did it take Emily to shear each lamb?
- (2.) For the record to be valid, the average mass of wool taken from each lamb had to be at least 0.9 kilograms (kg). The wool from Emily's lambs weighed 712 kg. Show that this was enough.
- (3.) The wool is packed in bales that weigh about 175 kg.
  - Approximately how many bales can be made from the wool that Emily shore?
  - b. Approximately how many lambs were shorn to make one bale?



## **Activity Two**

In 1899, the workers on Kip's great-grandfather's farm made bales by pressing the wool with their feet. It took about 30 minutes to press one bale of 16 fleeces.



