# Mini-task

A pet shelter currently houses 168 stray animals.

- These are in the ratio of 15 dogs, 8 cats, 1 rabbit.
- On average, dogs need 0.25 kg of dried food per day, cats need 0.10 kg, and rabbits need 0.15 kg.
- A 10 kg bag of WOOF dog food costs $92 plus GST. However, the shelter gets a 15% discount off the GST-inclusive price.
- A 10 kg bag of BOW WOW dog food costs $103.50 including GST, but the supplier of the food will sell it to the shelter at the GST-exclusive price.
- At the same time last year, the pet shelter had 84 dogs and the ratio of animals was 14 dogs, 9 cats, 1 rabbit.

In the space below, work out the following.

- How many dogs, cats and rabbits the pet shelter currently has.
- The weight of food needed to feed all the animals for one week.
- The cost to the shelter of each type of dog food.
- Which dog food you would suggest they buy, and why.
- How many cats and rabbits the shelter housed at the same time the previous year.

ISBN: 9780170368186 PHOTOCOPYING OF THIS PAGE IS RESTRICTED UNDER LAW.