

Keeping an Eye on the Family

In a sett, there is a family of five badgers. The Badger Group wants to know how much time each member spends at the sett, before going off to forage. The group have watched the badgers for some time, and can identify each one as an individual.

Can you design a data collection sheet to record:

- Days of the week
- Individual badgers
- Time at the sett on each day



Feeding the Family

The Badger Group keep a supply of peanuts at the hide, so they can lay some down to keep the badgers around the sett a while, allowing them to observe them a little longer and check that they are all in good health. (Some people do not agree with feeding badgers around the sett.)

Badgers adore peanuts, (NOT salted peanuts), and will Hoover them up with gusto.

The Badger Group have £45 to spend on peanuts.

- Bags of peanuts cost £20.50 for a bag of 4kg. Offer: Buy 2, get one free. How many bags can the group afford?
- How many kg. of peanuts would the group have?
- The group lays out 240g of nuts per day. How many days will the food last?
- The group become concerned about the condition of the badgers during a long, hot summer, when food is short and many badgers contract coccidian virus.

(Coccidiosis is a parasitic disease of the intestinal tract of animals caused by coccidian protozoa. The disease spreads by contact with infected faeces or by eating infected meat. Diarrhoea can be a symptom and young animals can suffer severe symptoms and death.)

- They decide to help out by adding a mixture of vitamins and minerals to the food they lay down. 'Vit/min' (not a real medicine), will be laid down at a ratio of 1:4 with peanuts. How many g. of medicine will be laid down?

