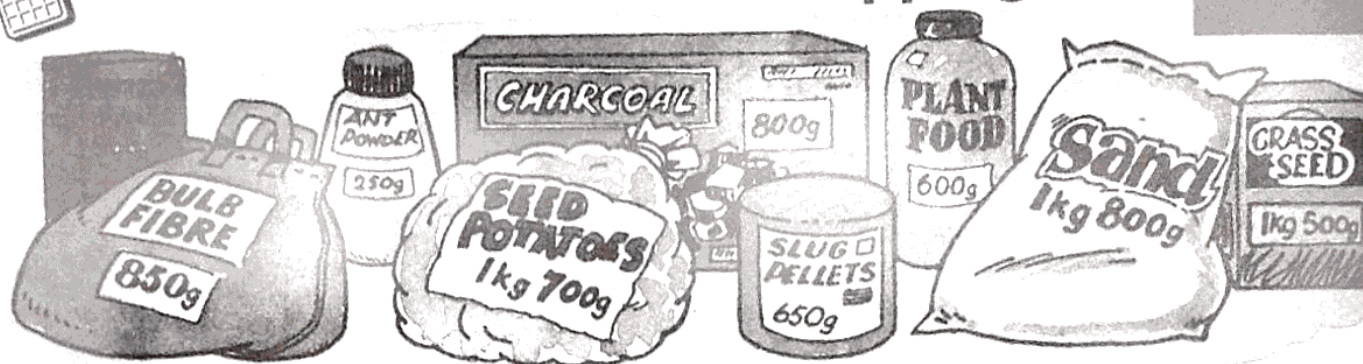


The Professor's shopping



The weedkiller and the bulb fibre
have a total weight of 1550g

$$= 1000\text{g} + 550\text{g}$$

$$= 1\text{kg } 550\text{g}$$

$$\begin{array}{r} 700\text{g} \\ + 850\text{g} \\ \hline 1550\text{g or } 1\text{kg } 550\text{g} \end{array}$$

- 1 Write the total weights, in kg and g, of

$$\begin{array}{r} \text{slug pellets} \\ \text{and plant food} \quad 1\text{kg } 250\text{g} \end{array} \quad \begin{array}{r} 650\text{g} \\ + 600\text{g} \\ \hline 1250\text{g} \end{array}$$

$$\begin{array}{r} \text{ant powder} \\ \text{and bulb fibre} \quad 1\text{kg } 100\text{g} \end{array} \quad \begin{array}{r} 250\text{g} \\ - 850\text{g} \\ \hline 1100\text{g} \end{array}$$

$$\begin{array}{r} \text{grass seed} \\ \text{and charcoal} \quad 2\text{kg } 300\text{g} \end{array} \quad \begin{array}{r} 1500\text{g} \\ + 800\text{g} \\ \hline 2300\text{g} \end{array}$$

$$\begin{array}{r} \text{sand} \\ \text{and seed potatoes} \quad 3\text{kg } 500\text{g} \end{array} \quad \begin{array}{r} 1800\text{g} \\ + 1700\text{g} \\ \hline 3500\text{g} \end{array}$$

The difference in weight between the
grass seed and the charcoal is 700g.

$$\begin{array}{r} 1500\text{g} \\ - 800\text{g} \\ \hline 700\text{g} \end{array}$$

- 2 Find the difference in weight between the

$$\begin{array}{r} \text{sand} \\ \text{and weedkiller} \end{array} \quad \begin{array}{r} 1800\text{g} \\ - 700\text{g} \\ \hline 1100\text{g} \end{array} = 1\text{kg } 100\text{g}$$

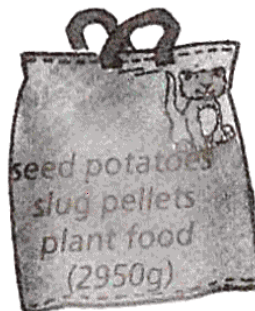
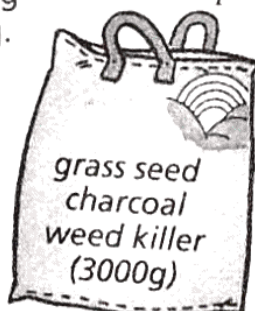
$$\begin{array}{r} \text{seed potatoes} \\ \text{and bulb fibre} \end{array} \quad \begin{array}{r} 1700\text{g} \\ - 850\text{g} \\ \hline 850\text{g} \end{array}$$

- 3 The Professor carries all nine items
in 3 shopping bags. Each bag
cannot hold more than 3 kg.

Write what he can
carry in each bag.

One possible solution is:

Problem solving



There are other correct solutions.

Go to Textbook page 79.