Multi-Step Word Problems Percentage of Amounts

Aim: I can solve multi-step word problems involving percentages.

1. A supermarket has 1800kg of root vegetables. 50% are potatoes and 25% are onions. What mass are the remaining root vegetables?

2. A school has a sponsored spell to raise money for their chosen charity, raising $764. 50% of the money is raised through dressing up. Of the remaining money, 25% is raised by selling cakes. The rest is raised by pupils paying to play games. How much is raised by playing games?

3. A book is 340 pages long. 10% of the book is the introduction. Alex reads the introduction and 50% of the rest of the book in one week. How many pages are left to read?

4. A plasterer buys fifteen 25kg bags of plaster. At the end of the week, only 10% of the plaster is left. What mass of plaster has the plasterer used?

5. A football team trains for 18 hours every week. 25% of the time is spent on fitness and 10% on skills. The rest of the time is spent preparing for the next match. How long is spent on preparing for the next match?

6. In a class of 30 children, 10% cycle to school. Another 10% come by bus. 25% of the remaining children come by car. The rest of the children walk. How many children walk to school?

7. The population of a town is 24 400. 25% of the people are children. 10% of the children are under the age of two. How many children under the age of two live in the town?

8. A school orders 80 packs of pencils. Each pack contains 12 pencils. 10% of the pencils are given out the day they arrive in school. How many pencils are given out on the first day?

9. A bakery uses 48kg of flour each day to bake bread. 2kg of flour makes three loaves of bread. 25% of the loaves are wholemeal loaves. How many wholemeal loaves are baked each day?

10. A sunflower is measured at the beginning of June and is 40cm tall. The sunflower grows by 25% each month for three months. What height is the sunflower to the nearest centimetre at the beginning of September?

Challenge
Write some simple multi-step word problems involving percentages for a partner.