



## Around the World

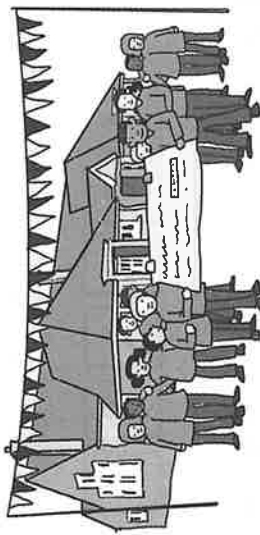
William's Junior School is trying to raise £1000 throughout the year for a charity that builds schools in Africa. The aim is for each year group to raise £250.

Look at this table. It shows what proportion of their target

each year group has achieved so far.

|        | Autumn Term   |                | Spring Term    |          | Summer Term |          |
|--------|---------------|----------------|----------------|----------|-------------|----------|
|        | 1st half      | 2nd half       | 1st half       | 2nd half | 1st half    | 2nd half |
| Year 3 | $\frac{1}{5}$ | $\frac{3}{10}$ | $\frac{1}{10}$ |          |             |          |
| Year 4 | 0.2           | 0.15           | 0.05           |          |             |          |
| Year 5 | 25%           | 25%            | 20%            |          |             |          |
| Year 6 | 10%           | 10%            | 10%            |          |             |          |

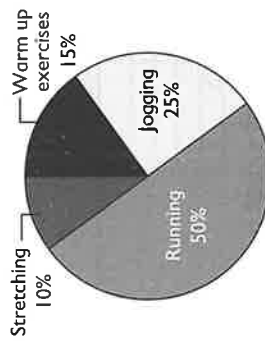
Do you think that William's Junior School will reach their target? Justify your conclusions.



## Sports Update

Every day Tim does some exercise. The amount of time varies each day, but the routine is always the same. The pie chart shows the proportion of time Tim spends on each exercise activity as part of his daily routine. Calculate how much time Tim spends each day on each of the four different exercise activities.

My Daily Exercise Routine



How many minutes does Tim spend each week on the four different exercise activities? Write about how you worked out the answer.



## What's the Problem?

Natural World is a health food store. They make their own brand of muesli.

This is their recipe.

They sell their muesli in small (500 g), medium (1 kg) and large (2 kg) bags.

Calculate how many grams of each ingredient there are in a small, medium and large bag of Natural World's 100% All Natural Fruit and Nut Muesli.



## Construct

What percentage of the walls in your classroom are windows?

Is this the same for all the classrooms in your school?

Which classrooms have the greatest and the least percentage of windows?

Is this the same for the dinner hall / gym?

What are the benefits of having a high percentage of wall area compared to windows? What are the disadvantages?

