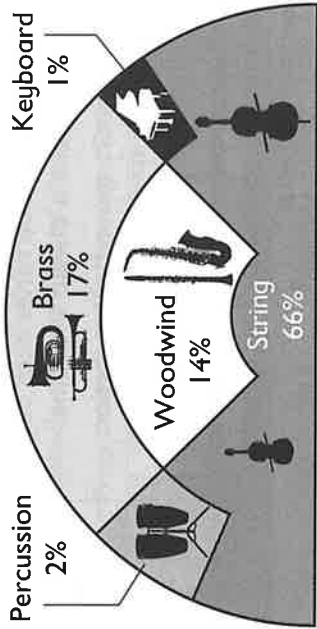


The Arts Roundup

A symphony orchestra is giving a concert. For one of the pieces they are performing they need a total of 106 musicians.



This diagram shows the different sections of the orchestra and what percentage of the total orchestra each section is.

Approximately how many musicians will there be in each section?

The Arts Roundup

A full-sized orchestra (of about 100 musicians) is referred to as either a *symphony orchestra* or a *philharmonic orchestra*.

The United Kingdom has some of the greatest orchestras in the world, such as the London Symphony Orchestra, the London Philharmonic Orchestra, and the Birmingham Symphony Orchestra.

Find out about the size of these or other symphony orchestras.

Does the size of a symphony orchestra vary? Why?

Is the proportion of the different sections of these orchestras similar to those in The Arts Roundup activity above?

Smaller-sized orchestras are often referred to as *chamber orchestras*.

Approximately how many musicians are there in a chamber orchestra?

Find out if the proportions of the different sections of a chamber orchestra are the same as for a symphony orchestra.



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Let's Investigate

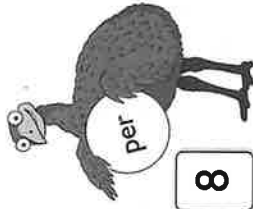


| | | | | |
|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 |

%

x

=



Using some or all of the 0 – 9 digit cards and the %, x and = cards, how many different statements can you make?

For example: 4 0 % 9 5 = 3 8



Focus on Science

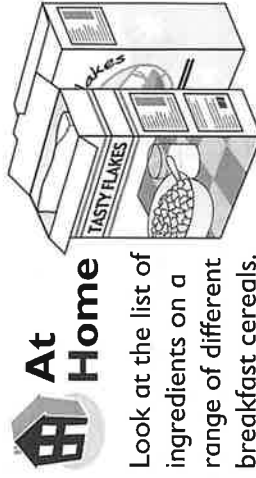
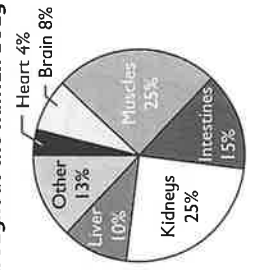
An adult has, on average, 5.5 litres of blood pumping through their body.

Using the pie chart, calculate

approximately how many litres / millilitres this is for each part of the body.



Distribution of blood throughout the human body



At Home

Look at the list of ingredients on a range of different breakfast cereals.

Write down what percentages of protein, carbohydrate and fat the different cereals have.

Using the net weight printed on the cereal box, calculate how many grams of each ingredient the different cereals have.

Which of the cereals is the healthiest? Which is the unhealthiest?

Explain your reasoning.