

# This Week's Problems

## Foundation Phase

### A Halloween Problem

A wizard needs a 10-leg potion to turn his Maths teacher into a frog. He's got Lizards (4 legs) and Bats (2 legs)

Can you find all the possible spells to turn his Maths teacher into a frog?  
e.g. 1 lizard and 3 bats would do the trick.

## Key Stage 2

### A Halloween Problem

A witch needs a 24-leg potion to turn her Maths teacher into a frog. She's got Spiders (8 legs) Lizards (4 legs) and Bats (2 legs)

Try to find all the possible spells to turn her Maths teacher into a frog? e.g.  
2 spiders, 1 lizard and 2 bats would do the trick.

Be systematic and draw up an ordered list or make a table of your results.  
Look for a pattern.

## Challenge Questions

The witch needs a strong potion (32-leg) to turn a Headmaster into a frog! How can she do this?