

# The Mathemagician's Seven Spells

The great spell has to be broken! P3-5, can you help the Mathemagician to break it?



"Tell me the **next two numbers** in each of these seven minor spells," chanted the Mathemagician, "and the great spell will crumble away! Watch the smoke to see the spells."

Spell the first:

1, 2, 4, 8, , .

Spell the second:

6, 13, 20, 27, , .

Spell the third:

127, 63, 31, 15, , .

Spell the fourth:

1, 3, 6, 10, 15, , .

Spell the fifth:

2, 3, 6, 11, 18, , .

## HANDY HINT!

Work out how much the numbers are increasing or decreasing each time, then look for a **pattern**. This should help you to work out the last two numbers.

Spell the sixth:

1, 8, 27, 64, , .

Spell the seventh:

216, 168, 126, 90, 60, 36, , .

# GOOD LUCK!

These get very tricky towards the end so let's see if anyone from p3-5 has enough brain power left on a Friday to figure them out! Remember to let us know on the blog how you get on.