Decimal recurrence

When 100 is divided by a whole number sometimes the answers are interesting decimals.

If you calculate 100 ÷ 11 you get this display on a calculator:

9.090909091
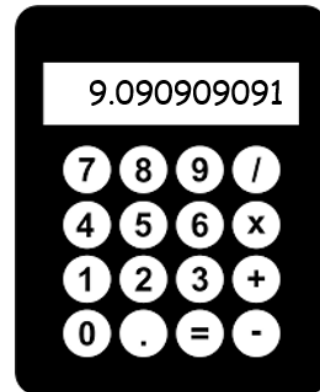
The pattern would carry on forever if the calculator screen was big enough. The 1 at the end comes from rounding.

Here are some other decimal patterns that come from dividing 100 by a whole number. What number is 100 divided by to get each pattern?

4.166666667

2.272727273

1.351351351

1.01010101

1.219512195

1.515151515
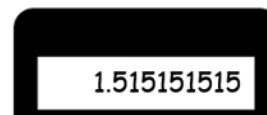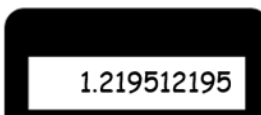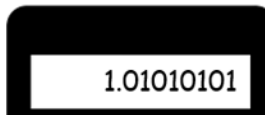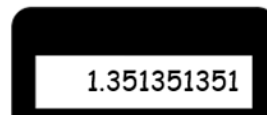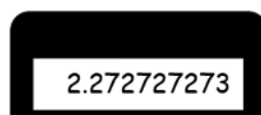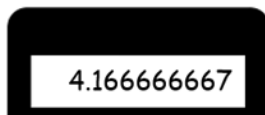
What other decimal patterns can you find by dividing 100 by a whole number?