



Mathematics Medium Term Plan

Year 4 Spring Term Unit 4 Decimals A

Focus: Decimals
Time: 3 weeks

NC
Recognise and write decimal equivalents of any number of tenths or hundredths.
Find the effect of dividing a one or two digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths.

Concept Sequence

Tenths as fractions – using different representations.

Tenths as decimals – use 100 square and base 10. Write as decimals and fractions, can represent using concrete and pictorial representations. Know that one tenth is part of a whole split into ten parts. Stay within one whole.

Tenths on a PV grid – note tenths are to the right of the decimal point. Introduce decimals greater than one.

Tenths on a number line – link with measurement (cm/mm). Explore relative scale.

Divide 1 digit by 10 – When dividing by 10 the number is split into 10 equal parts and is ten times smaller. Use counters and a place value chart to see how the digits move. Look at importance of 0 as a place holder.

Divide 2 digits by 10 – use place value chart. Use counters before moving to digits.

Hundredths as fractions – one whole divided into 100 parts, see that one tenth is ten hundredths. Count in hundredths and represent tenths and hundredths on a PV chart and number line.

Hundredths as decimals – use hundred square and base 10 show the relationship between fractions and decimals. Write hundredths as decimals and fractions. Represent with concrete and pictorial representations. Stay within one whole.

Hundredths on a PV grid – see that the hundredths column is to the right of the tenths. Use concrete representations and write the numbers made.

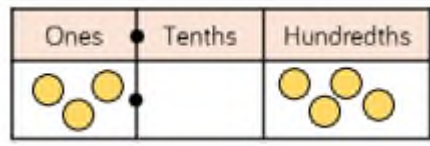
Divide 1 and 2 digits by 100 – number split into 100 parts and is 100 times smaller. Use counters on PV chart to see how digits move. Look at 0 as a place holder.

Resources
100 square, base ten, place value grid, gattengo chart
Gordons Maths Games, Mathletics, TTRockstars, BBC Super Movers:
<https://www.bbc.co.uk/teach/supermovers/ks2-collection/zr4ky9q>

Existing Vocabulary
Fraction
Equivalent fraction
Numerator, denominator
Equal part
Equal grouping
Equal sharing
Parts of a whole
Tenths

New Vocabulary
Hundredths
Decimal, decimal fraction, decimal point
Decimal place, decimal equivalent, proportion

Times Tables 4NF-1
11x table - Recall multiples, missing numbers, division. Fractions. Count in 12s



Planning Links
Maths No Problem/Aspire Maths/Power Maths
White Rose Scheme of Work:
<https://assets.whiterosemaths.com/new-schemes/Year%204%20Spring%20Block%204%20OSOL%20Decimals%20A.pdf>
NCETM:
<https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/fractions/>

