



R2P: 6NPV-1, 6NPV-2, 6NPV-4

Divide powers of 10 (including 1, 0.1, 0.01 into 2,4,5 and 10 equal parts)

NC:

Identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1000 giving answers up to 3 decimal places.

Multiply 1 digit numbers with up to 2 decimal places by whole numbers.

Use written methods in cases where the answer has up to 2 decimal places.

Solve problems which require answers to specified degrees of accuracy.



Focus: Decimals

Time: 2 weeks

Times Tables 5NF-1

Consolidate and practice all multiplication and division facts to 12x12 – any order, missing numbers, fractions.

Use multiplication and division facts to derive associated facts.

Develop multiplicative reasoning - links between multiplication, division and fractions.

10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000
1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009

Concept Sequence

Place Value within 1 - three Decimal Places – look at the value of each place value column, write in words/figures. Use concrete resources to investigate exchanging.

Place Value – integers and decimals.

Round decimals – recap *Rounding to nearest whole/tenth from Y5v first if necessary.*

Add and subtract decimals.

Multiply by 10, 100, 1000 – digits move to the left (decimal point is fixed), use zero as a place holder. Multiply by multiples of these numbers.

Divide by 10, 100, 1000 – include converting between units of measures. Use of 0 as a place holder.

Multiply decimals by integers – use concrete resources. Make links with money and measures.

Divide decimals by integers – use concrete resources.

Multiply/Divide decimals in context - solve problems – rounding answers where appropriate.

Planning Links

Power Maths, White Rose, Maths No Problem/Aspire Maths

White Rose Scheme of Work:

<https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/12/Year-6-Spring-block-1-Decimals.pdf>

NCETM:

<https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/fractions/>

Vocabulary

Bar Model, Fraction/proper/improper

Equivalent fraction, Mixed number

Numerator/denominator

Whole, equal part

Equal grouping/sharing

Parts of a whole

Half, two halves

Quarter, two quarters....

Third, two thirds.....

Fifths, sixths.....

Proportion, ratio

Tenths, hundredths, thousandths

Decimal point, decimal fraction,

decimal equivalent, decimal place

Resources

Number lines, Bar Models, Place Value counters, Gattengo Chart
Gordons Maths Games, Mathletics,
TTRockstars

BBC Super Movers

<https://www.bbc.co.uk/teach/supermoves/ks2-collection/zr4ky9q>

