

Decimals and Percentages

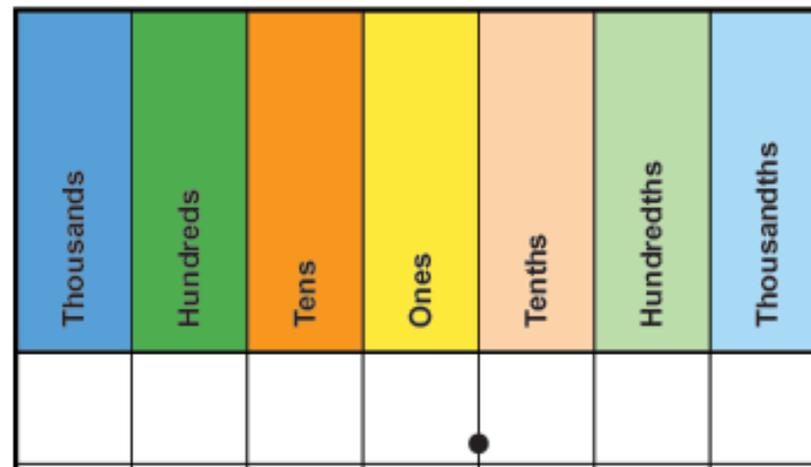
National Curriculum Aims

- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- read, write, order and compare numbers with up to 3 decimal places
- recognise the per cent symbol (%) and understand that per cent relates to "number of parts per 100", and write percentages as a fraction with denominator 100, and as a decimal fraction

Key Vocabulary

Decimal point	Separates wholes numbers from the fraction (part of a whole)
Percentage	Per cent – out of a hundred %
Fraction	Part of a number
Expanded form	A number written as parts. E.g $2.413 = 2 + 0.4 + 0.01 + 0.003$
Partition	Split (a number)
d.p	Short for <u>decimal point</u>
s.f	Short for <u>significant figure</u>
Equivalent	An equivalent is something with the same value as something else.

Core Knowledge and Representations



Fractions, Decimals and Percentages Equivalents

percentage	fraction	decimal
30%	$\frac{3}{10}$	0.3
to go from a fraction to a percentage we can convert to a decimal first $\frac{3}{5} \rightarrow 0.6 \rightarrow 60\%$		

Fraction	Percent	Decimal
1	100%	1.0
1/2	50%	0.5
1/3	33.3%	0.33
1/4	25%	0.25
1/5	20%	0.2
1/6	16.6%	0.166
1/8	12.5%	0.125
1/10	10%	0.1

Home Learning



- Daily 10 - <https://www.topmarks.co.uk/maths-games/daily10>
- <https://whiterosemaths.com/resources?year=year-5&term=spring>