



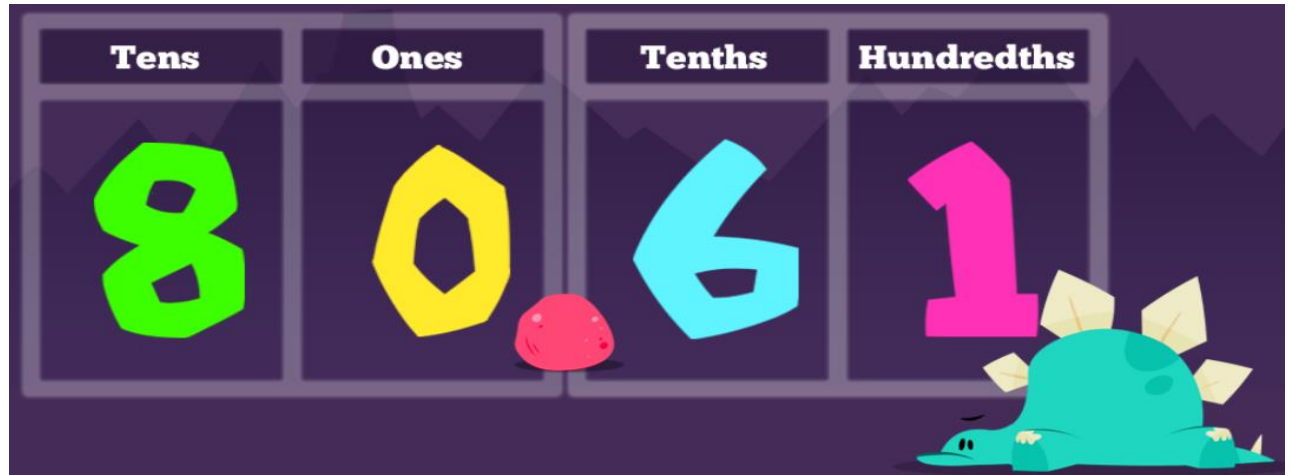
KNOWLEDGE ORGANISER: Maths - Decimals Year 4 Block 5

Key Vocabulary

Decimal	Relating to numbers based on a system of 10, 100 etc.
Tenth	One of ten equal parts.
Hundredth	One of 100 equal parts.
Partition	Separate into different parts.
Part-whole model	Diagram which illustrates partitioning.
Equivalent	Equal in value.
Ascending	Increase in value.
Descending	Decrease in value.
Estimate	Make an approximate calculation.
Convert	Change from one unit to another.
Reasoning	Apply knowledge to solve problems.

Key Knowledge

- Understand how decimals represent part of a whole. – Learn to partition, compare, order and round decimals. – Learn how to partition flexibly. – Explore the practical application of decimals, i.e. within money. – Apply decimals and money facts to solve everyday problems.- Learn to use mathematical reasoning skills to solve real life problems.



Learning Intention: To further their understanding of decimals and apply them to relevant situations.

- Understand how decimals function within a whole and understand the value of tenths and hundredths.
- To be able to partition, compare, order and round decimals accurately.
- To apply learning to solve practical everyday problems, i.e. money calculations etc.

Resources



Websites

Textbooks

Reading Links



- ✓ [What are decimals? - BBC Bitesize](http://www.bbc.com/bitesize)
- ✓ [Times Tables Rock Stars: Play \(ttrockstars.com\)](http://ttrockstars.com)
- ✓ [Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](http://topmarks.co.uk)