Year 6 Decimals Knowledge Organiser

Lesson sequence:

Learning focus: To round numbers up to three decimal places
Learning focus: To multiply decimals by integers
Learning focus: To divide integers by integers
Learning focus: To multiply and divide decimals in context

Vocabulary revision (vocabulary I have been taught before)

- *Decimal place*
- *Integer*
- *Place Value*
- *Rounding*
- *Multiples*

New vocabulary

- *Thousandths*

Sticky Learning

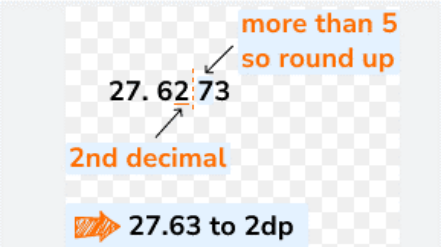
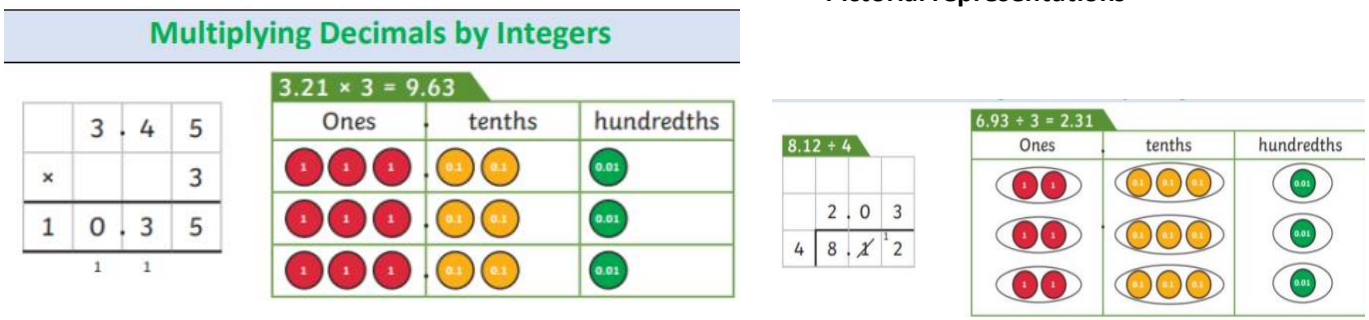
New knowledge

- ***To recognise the value of each digit in numbers given to three decimal places***
- ***To multiply numbers with up to 3 decimal places by 10, 100 and 1,000***
- ***To divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places***
- ***To multiply 1-digit numbers with up to 2 decimal places by whole numbers***
- ***To use written division methods in cases where the answer has up to 2 decimal places***

New Skills

- **To identify the value of each digit to three decimal places**
- **To round any whole number to a required degree of accuracy**
- **To multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 where the answers are up to three decimal places**
- **To solve problems involving addition, subtraction, multiplication and division**

Pictorial representations



Pictorial representations