

Stage 8 – Numbers and The Number System

KEYWORDS

WHAT DO WE ALREADY *know?*

- Recall prime numbers up to 50.
- Understand the notation of power
- Know how to approximate to the nearest whole number, 10, 100, 1000 or any decimal place or significant figure

THE
BIG
PICTURE

- Rounding numbers
- Working in standard form
- Using prime factorisation

- Prime say *pry m*
- Factor
- Factorisation
- Multiple
- Venn Diagram 1918 (Venn's diagram is from 1904), named for English logician John Venn (1834-1923) of Cambridge, who explained them in the book "Symbolic Logic" (1881).
- Standard
- Significant - 1680s "important"
- Figure
- Product

Numbers and The Number System - Targets

Before Topic	After Topic	Teacher Mark
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Write a number as a product of its prime factors

Use prime factorisation to find the highest common factor of two numbers

Use prime factorisation to find the lowest common multiple of two numbers

Solve problems using the highest common factors or lowest common multiples

Round numbers to a given significant figures

Round numbers to a specified number of decimal places

Use standard form to write large numbers

Use standard form to write small numbers