## Year 8 Knowledge Organiser -

## Ubjectives

Interpret Standara Zorm
Round numbers to decimal places or significant pigures Know primes, LCm , \&CZ, roots and powers Use Prime Factorisation
Use the pour operations with decimals and practions, including mixed numbers
Use the order of operations
Epply systematic listing strategies


Tip: Convert mixed number fractions to improper fractions first!

Dividing practions


Multiplying practions

$$
\begin{gathered}
2 \frac{2}{5} \times 1 \frac{7}{9} \\
\frac{12}{5} \times \frac{16}{9}=\frac{192}{45}
\end{gathered}
$$

Simplify and conver+ back to mixed number where possible

$$
\frac{192}{45}=\frac{64}{15}=4 \frac{4}{15}
$$





A negative power does not mean a negative
answer - it means a number closer to 0

